NM1-11

C-138

Date: 2000

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
Pi-trict III - (505) 334-6178
Rio Brazos Road
...c, NM 87410
District IV - (505) 827-7131

APPROVED BY:

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		
1. RCRA Exempt: Non-Exempt: Donne Fougt	4. Generator NATCO	
Verbal Approval Received: Yes ☑ No ☐ 9:25 A ⊶	5. Originating Site Hain Yames	
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Epuino tech	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Dew Maxico	
7. Location of Material (Street Address or ULSTR)	2855 Southside River Rd.	
9. Circle One:	3	
 A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accepted accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. 	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by	
All transporters must certify the wastes delivered are only those consigned	· · · · · · · · · · · · · · · · · · ·	
BRIEF DESCRIPTION OF MATERIAL: S(ubge & solids from refairly isting oil & gas productions) tentes, separatures & deligovators, equipment lost attached JUN 2000 RECEIVED OIL CON. DIV DIST. 3 Estimated Volume Solvens by Known Volume (to be entered by the operator at the end of the haul) Solvens by Manager Ala D. Dist Research Landfarm Manager Landfarm Manager Ala D. Dist Research Landfarm Manager Landfarm Manager		
SIGNATURE: Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615		
(This space for State Use) APPROVED BY: Derry Terry TITLE: Geolo	9515T DATE: 6/15/00	

GeologIST

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1008 RIO GRAZOS ROAD AZTEC, NEW MEXICO 87419 (506) 334-8178 PAR (505)334-817.

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

1. Generator Name and Address:	2. Destination Name:
NATED, 2855 Southside River	Envirotech Inc.
100	Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico
EU.	5796 US Hwy 64. Farmington, NM 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
See Attaded	
Attach list of originating sites as appropriate 4. Source and Description of Waste	
Sludge and solids From	a on pred sers producting
1, Richard Lambert	representative for:
NATEO	do hereby certify that,
according to the Resource Conservation and Rec	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July,
NATEO	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July,
according to the Resource Conservation and Recologies, regulatory determination, the above described EXEMPT citied waste. NON-EXEMPT citied waste.	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July,
according to the Resource Conservation and Recological Property of the Recological	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, and waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification
according to the Resource Conservation and Recologies, regulatory determination, the above described EXEMPT citied waste. NON-EXEMPT citied waste.	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, ned waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristics or by product identification non-exempt non-hazardous waste defined above.
according to the Resource Conservation and Rec. 1988, regulatory determination, the above described. EXEMPT oilfield waste	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, ned waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification non-exempt non-hazardous waste defined above.
according to the Resource Conservation and Rec. 1988, regulatory determination, the above described. EXEMPT cilified waste	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, ned waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification non-exempt non-hazardous waste defined above.
according to the Resource Conservation and Rec. 1988, regulatory determination, the above described EXEMPT cliffield waste. EXEMPT cliffield waste. NON-EXEMPT analysis and that nothing has been added to the exempt or For NON-EXEMPT waste the following docume MSDS information. RCRA Hazardous Waste Analysis. Chain of Custody This waste is in compliance with Regulated Levels to 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature): August Manual Manua	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, sed waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification non-exempt non-hazardous waste defined above. Intation is attached (check appropriate items): Other (description):
according to the Resource Conservation and Rec. 1988, regulatory determination, the above described EXEMPT cliffield waste. EXEMPT cliffield waste. NON-EXEMPT analysis and that nothing has been added to the exempt or For NON-EXEMPT waste the following docume MSDS information. RCRA Hazardous Waste Analysis. Chain of Custody This waste is in compliance with Regulated Levels to 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature): August Manual Manua	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, sed waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification non-exempt non-hazardous waste defined above. Intation is attached (check appropriate items): Other (description):
according to the Resource Conservation and Recipies 1988, regulatory determination, the above described EXEMPT cliffield waste. EXEMPT cliffield waste. NON-EXEMPT waste the following docume MSDS information. RCRA Hazardous Waste Analysis. Chain of Custody. This waste is in compliance with Regulated Levels to 20 NMAC 3.1 subpart 1403.C and D.	do hereby certify that, overy Act (RCRA) and Environmental Protection Agency's July, sed waste is: (Check appropriate classification) KEMPT oilfield waste which is non-hazardous by characteristic is or by product identification non-exempt non-hazardous waste defined above. Intation is attached (check appropriate items): Other (description):

	WASTE SOLIDS	
		The state of the s
COMPANY	LOCATION	JOB NUMBER
Buddylow I 476	5) 29-7 650	73020148
Bur 152, to 1 I 664	5529-7460	73020154
Buelin, End I 666	27-5 1370	73020155
Buelinfor I 665	29-7 940	73020/62
Budso to N	FRONTICR DIE	7302.0256
Buelsailed I 663	09-7 500 Childens#1	73020261
Bud solar I 730	CIUIAVICSFI	7302026.3
Bushyla	29-7 #109	73020435
Burlind I 629		73020440
Bullet Tan	allin 100	73020072
Bushing I 726	11 12 6/11 120	73000073
Budratad 1 729	Gramblin CDR	23020074
Burlington I 235	UTV 11 3	7302 00 75
Burligland I 3	1111111111111	73020076
Analyselad I 295	Surray d/	73020077
Buch 1 732	newstry #8	2302 a a 7 7
Budswithe J I 736	11 11 1-17	73020084
Buelser T 739	Gramplys (-13	73020086
Budy led I 740	Dudal Da	73020027
Bal to 1741	Sunray NI	73020088
And yland 7742	VICAIPS-JA	73020084
Budianto I 237	delle Conta	7302 0090
Bushy Land I 387	Juenasam 5	73120092
Broken I	SUN RAY 6 250	73020094
Broken -	Howell L5	73820065
Buds Lon 1288	hancock 3a	7302,007/
,	·	
		<u> </u>

Sheet1

	WASTE SOLIDS	
COMPANY	LOCATION	100 11111000
	LOCATION WAR ALL ALL	JOB NUMBER
	Michnar als #le	73020146
CONOCO THE CONOCO TIO	28-7 104)	73020163
CONOCO I 111	28-4 192	73020164
CONOCO I 115	29-7 157	7302025 2
C020CD C-119	quace fed #3	23020267
CONOCO C. 107	Ludwick 418	7302045
CO1000 C 124	28-7 #2/0	73020049
CANOCO C-127	28-74/82	73820050
Caroco C-125	28-7 2BD	73020051
Co. 156		73020066
·		
	N .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		<u> </u>
,		
	k .	
<u> </u>	.T	

Sheet1

Coll Samuel States C.

	WASTE SOLIDS	
COMPANY	LOCATION	
		JOB NUMBER
TEXACO	1):c c #21	73020258
Texaro	Men's on Com R	73020259
Texaco	New Mexico Conf	73020260
LexAco	C. 28 E	73.526266
YLVACO	Nay plateo	73020276
4 LYACO	John Chales #4	7307079
	Sanbiach # 24	7302020
	SANCESTED W	73020231
· · · · · · · · · · · · · · · · · · ·		
		
CO : 04 IV		
COMPAIN		
Everyen.	PIG DIC CARALS	73075
	CARSON # 2	124 JU 4XY
	30-4 #42A	73020233
	CARSON #7	73828284
	30-4 #47	73,20285
	30-4 F44	3020 276
	30-4 #43	73020 287
	30-4 #46	73020222
	30-4#45	73520289
		<u> </u>
Compry		
' '		
Closs timbers	JACK FROST BZC	73,020290
	Feb HIE	73020293



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natio's Vand (Wash luck Apa) Date: Le-le-00
Location: Material Vand (Wash luck April Date: Le-le-00 Survey instrument model: 3-98 (Mid Ludhum) Last calibrated: 8-12-99
Item description: 5- Alve Disposal Barnels.
Number of pieces:
Location where items originated: From Production Equipt Warled on White
Background reading: uR/hr
Highest NORM reading: uR/hr (corrected for background)
Lowest NORM reading:uR/hr (corrected for background)
Any samples taken? If so, how many?
Pieces inspected.
Pieces found to be free of NORM contamination.
Pieces found to have NORM contamination.
Remarks: 5-Disposed basels are free to Be
Inspector: Jesse Manegnages.
What is final disposition? Free to be Disposed of
Released to: Enviaotech Date: 6-6-00

District 1# (505) 393-6161 P. O. Box 1980 Hobba/NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road

c, NM 87410 کند

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

92142 Env. JN:

District_IY - (505) 827-7131	Env. JN: 42(42
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt:	4. Generator PESCO
Verbal Approval Received: Yes 🔼 No 🔲	5. Originating Site Maria Your
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Serven e's
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Dens Olycico
7. Location of Material (Street Address or ULSTR)	5680 US HOUT 64 Farming for Du
9. Circle One:	
Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigner.	on of origin. No waste classified hazardous by
Estimated Volume Cy Known Volume (to be entered by the op SIGNATURE: Waste Management FacilityAuthorized Agent	PECENDO TONES. PECENDO TONES.
APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: TITLE: GEO	n mentul Geol DATE: 6/15/00 Logist DATE: 6/15/00

Jn: 92142

Generator Name and Address:	2. Destination Name:
PESCO	
5680 Highway 64	Envirotech Soil Remediation Facility
Farmington, New Mexico 87401	Landfarm #2
2. Odelanda - Clas (2000)	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Process Equipment & Service Company 5680 US Highway 64	Mainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes.
Farmington, New Mexico 87401	d to capic root Steel boxes.
rarmington, new nextco 07401	
Attach list of originating sites as appropriate	•
4. Source and Description of Waste	
 Solids generated from cleaning and r 	efurbishing production storage tanks,
separators, dehydrators, and other p	production equipment.
•	
•	
Gary Howe	representative for:
(Print Name)	Topiosonau vo Torr
Process Equipment and Service Compan	y, Inc. do hereby certify that
cording to the Resource Conservation and Recove	ery Act (RCRA) and Environmental Protection Agency's July
988, regulatory determination, the above described	Waste is: (Cheok appropriate classification)
/	
	MPT oilfield waste which is non-hazardous by characteristic
analysis o	r by product identification
nd that nothing has been added to the exempt or no	on-exempt non-nazardous waste defined above.
or NON-EXEMPT waste only the following document	mentation is attached Ichack appropriate items):
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	Other (description).
· · · · · · · · · · · · · · · · · · ·	
CARIO OF CHRICKIV	
Chain of Custody	
Chain of Custody	
	ve_
ame (Original Signature):	ve
ame (Original Signature):	ve_
ame (Original Signature): Now How	ve
me (Original Signature):	ve



Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. 80X 929 • 87499 FARMINGTON, NEW MEXICO PHONE: (505) 327-2222 • FAX: (505) 327-7550

NORM SURVEY DATA SHEET

Facility / location: PESCO	Date: 6-8-00
Meter Model: DOSIMETER 3007A	Serial No: 9808-238
Detector Model: DOSIMETER 3012	Serial No: 201-887-7100
Calibration Date: 4-5-99	
Battery Check: (人)	
Background Radiation Level: 0.03	nR/hr
Description of material surveyed:	· · · · · · · · · · · · · · · · · · ·
Item /	Material Surveyed:
Waste Material: 60 8 bl s approx. gals Equipment: Manufacturer:	mR/hr: 0.03
Serial No:	
Description:	· · · · · · · · · · · · · · · · · · ·
Job No:	
Comments: WASTE 5/4d FIELD EQUIPMENT	GE FROM CLEANING Oil + GAS
Survey Conducted by: GARY WH (Print Name) (Signature)	/
(Signature)	<u>~</u>

Diatrice I - (505) 393-6161 P. C. Box 1980 Hobbs, NM 88241-1980 District 31 - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178

7 Rio Brazos Road

APPROVED BY:

مــنc, NM 87410

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

<u>inici 1V</u> - (505) 827-7131	Env. JN:	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE	
1. RCRA Exempt: Non-Exempt: 1. ICRA Exempt: 17:10 P.M	4. Generator Operative	
Verbal Approval Received: Yes 🔀 No 🔲	5. Originating Site CR. 6500	
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Epuinotech	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State NEW Marico	
7. Location of Material (Street Address or ULSTR)	HWY 64, Kirtland.	
9. Circle One:		
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. 		
All transporters must certify the wastes delivered are only those consigned	ior transport.	
Cleanup of crude oil spilled of Hear 64 and CR. 6500 when a moved from the Kirtland 3-1 we	on povoment @ inter tank (production) was bei Il location	
Estimated Volume — (2	JUN 2000 RECEIVED TON. DIV DIST. 3 erator at the end of the haul) ————————————————————————————————————	
SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	DATE: 6.9.00 EPHONE NO. 505-632-0615	
(This space for State Use) APPROVED BY: Deny Tour TITLE: 6-60/0	S15 DATE: 6/15/00	

TITLE: Gredlogist

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (506) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

1. Generator Name and Address: RICHARDSON Operative 3100 LA Plata Huy	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility
FARMING TON, NM. 87401	Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Kirtland 3-1	Hwy 64 @ CR 6500
Attach list of originating sites as appropriate 4. Source and Description of Waste Clean up of rasiQual transport of TANK	crude oil spilled during (± 15 gallons of crude oils).
Print Name) RICHARDSON Operation according to the Resource Conservation and Recover 1988, regulatory determination, the above described	ry Act (RCRA) and Environmental Protection Agency's July,
EXEMPT oilfield waste NON-EXEM	1PT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	tion is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of I to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature): John Much	
Title: 0p yman / Date: 6/8/00	
Date: 6/8/00	

District I - (505) 393-6161 P. O. Box 1950 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178

Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 مدر

New Mexico Energy Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

TITLE: Deloty Of 6 1/1 sledo R DATE: 5/26/00

	A CONTRACTOR OF THE STATE OF TH	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		
1. RCRA Exempt: Non-Exempt: 4.10.00	4. Generator Richardison	
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 506 (Con C.R.	
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Eduivateal	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Maxico	
7. Location of Material (Street Address or ULSTR)	Worth land lone CR. 6590 Howy by to zooyd worth	
9. Circle One:		
 A. All requests for approval to accept oilfield exempt wastes will be acceded acceptance. Generator; one certificate per job. 	ompanied by a certification of waste from the	
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.		
All transporters must certify the wastes delivered are only those consigned	d for transport.	
Estimated Volume Cy Known Volume (to be entered by the operator at the end of the haul) Cy Signature: Waste Management FacilityAuthorized Agent Type OR PRINT NAME: Harlan M. Brown BRIEF DESCRIPTION OF MATERIAL: Cy Charles are only those consigned for transport. Soil used to Waste Management FacilityAuthorized Agent Title: Landfarm Manager Title: Landfarm Manager Title: Landfarm Manager Title: 505-632-0615		
(This space for State Use) APPROVED BY: Semy S. Funt TITLE: Geolog	DATE: 5726100	

5-23-00; 5:26FM;ENVIR

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

DIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO SHAZOS ROAD AZTEC, NEW MEXICO 37410 |508| 234-E178 Fax (505)334-6179

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Richard SON operating	Envirotech Inc.
3100 LAPINTA	Soil Remediation Remediation Facility Landfarm #2, Hilltop,New Mexico
Farming ton	5796 US Hwy 64. Farmington, NM 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
KITLAND 3-1	·
Attach list of originating sites as appropriate	
4. Source and Description of Waste	at a weater storm
4. Source and Description of Waste 15 JAIS OF Produced oil That TANK	WAS LEFT IN WHILE STRINGE
1, John Auchen (Print Name)	representative for:
Production (Plant Name)	do hereby certify that,
according to the Resource Conservation and Recover	y Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described v	vaste is: (Check appropriate classification)
¥4./-	PT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or non	-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentate MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	ion is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.	aturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	lon
Title: Of Men Date: 5/24	
Date: <u>5/2</u> 4	

District 1: (505) 393-6161 P.O. Box 1980 Hobbig NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Partet III - (505) 334-6178

7 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 مند

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: <u>97057</u>-

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: 6.13.00	4. Generator E.P.F.S.
Verbal Approval Received: Yes ☑ No ☐	5. Originating Site Jaquez Com#[\$ &
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Phillip Savoices
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Marcico
7. Location of Material (Street Address or ULSTR)	N TZANRAW SJC.
 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accepted of the control of the control	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	d for transport.
Estimated Volume cy Known Volume (to be entered by the ope	JUN 2000 RECEIVED OIL CON. DIV DIST. 3 erator at the end of the haul) Cy
SIGNATURE: Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	DATE: 6 · (3 · 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
APPROVED BY: Deny Frent TITLE: Geolog	DATE: 6/15/00

Generator Name and Address:	2. Destination Name:
El Paso Field Services Co.	Envirotech Soil Remediation Facility
614 Reilly Avenue	Landfarm #2
Farmington, NM 87401	Hilltop, New Mexico
3. Originating Site (name): Jaquez Com C#1 and I	E #1 Location of Waste(Street address &/or ULSTR);T29N,R9W, Sec. 6
,	
Attach list of originating sites as appropriate	
4. Source and Description of Waste Contaminate	d soil. Contamination originating from drip pit.
· · · ·	
Soott Bono	
I, Scott Pope (Print Name)	representative for:
·	_
El Paso Field Services	
according to the Resource Conservation and Reco	very Act (RCRA) and Environmental Protection Agency's July, d waste is: (Check appropriate classification)
X EXEMPT Oilfield wasteNON	N-EXEMPT oilfield waste which is non-hazardous by
cha	racteristic analysis or by product identification
and that nothing has been added to the exempt or	non-hazardous waste defined above.
For NON-EXEMPT waste only, the following docur	nentation is attached (check appropriate items):
MSDS Information	Other (description)
RCRA Hazardous Waste An	
Chain of Custody	,
Name (Original Signature):	
Title: Seniorl En	vironmental Scientist
1/11/00	
Date: <u>6//3/00</u>	

District 1 - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 Dispict-II - (505) 748-1283 8113. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 7 Rio Brazos Road

Diatrict IV - (505) 827-7131

c, NM 87410 ســـد

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

RECEIVED JUN 1 9 2000

Submit Original

Form C-138

Originated 8/8/95

Oil Conservation Division Env. JN: 60050-01

Environmental Bureau Plus I Čopy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: 5.26.00	4. Generator CF电风
Verbal Approval Received: Yes ☑ No ☐	5. Originating Site AZTEC Plate
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter CF&M
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Musico Sec 12, 7300, RIW
7. Location of Material (Street Address or ULSTR)	Sec 12, T30D, RIIW SHW Juan County,
 9. Circle One: A. All requests for approval to accept olifield exempt wastes will be accept Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. 	ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by
(Borlington Sik Compressorsike) Spill 2345678	JUN 2000 RECEIVED OIL CON DIST. 3 erator at the end of the haul)
SIGNATURE: Harlan M. Brown TITLE: Landfarm M Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	DATE: <u>06.08.00</u> EPHONE NO. 505-632-0615
l	DATE: 6/15/00 MATE: 6/19/00

District I (505) 393-6161 P.O. Box 1980 Hobbs NM 88241-1980 District II - (505) 748-1283 Bil S. First

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street

Form C-138 Originated 8/8/95

> Submit Original opy ate fice

Tesia, NM 88210 "trict III - (505) 334-6178 Rio Brazos Road c, NM 87410 Obstrict IV - (505) 827-7131	Plus 1 Co to appropria District Off
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: A 5. 26.00	4. Generator CF电比。
Verbal Approval Received: Yes 🗹 No 🔲	5. Originating Site Az TEC Plato
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter CE&U
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Win Marsico Sec 12, 7300, RIIW
7. Location of Material (Street Address or ULSTR)	Sec 12, T30 D, RIIW SAW Juan County, A
 9. <u>Circle One</u>: A. All requests for approval to accept oilfield exempt wastes will be acceded Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accepted PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. 	impanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL: Lube oil (?). drschange	Moto cross track JUN 2000 OFFICEIVED TO ST

Estimated Volume Cy Known Volume	(to be entered by the operator at the end of	of the haul) ———— cy
SIGNATURE: Harlan M. Brown TYPE OR PRINT NAME: Harlan M. Brown	TITLE: Landfarm Manager	DATE: D6.08.00 505-632-0615
TYPE OR PRINT NAME:	TELEPHONE NO	
(This space for State Use)		
APPROVED BY: Dany Keint	TITLE: GeologiST	DATE: 6/15/00
APPROVED BY:	TITLE:	DATE:

OIL COMBERVATION DIVISION AZTEG DISTRICT OFFICE 1898 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (508) 334-8178 FRE (585)234-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CF&M OIL FIELD SERVICE INC #37 COUNTY ROAD 5267	f · · · · · · · · · · · · · · · · · · ·
1#37 COUNTY DOND 5367	Envirotech Inc.
THE COUNTY ROAD 5267	Soil Remediation Remediation Facility
FARMINGTON NM 87401	Landfarm #2, Hilltop, New Mexico
2 Oddinaira Sita (sama)	5796 US Hwy 64. Farmington, NM 87401 Location of the Waste (Street address &/or ULSTR):
3. Originating Site (name):	· · · · · · · · · · · · · · · · · · ·
AZTEC MOTOCROSS TRACK. AZTEC NE	W MEXICO UNIT "O" SEC. 12,
FROM WESTITUE CAN THAN GOVERN	1220 FT FROM SOUTHLINE, 1813 FT
FROM WESTLINE SAN JUAN COUNTY	
Attach list of originating sites as appropriate	
4. Source and Description of Wasta	
OIL FIELD WASTE RESIDUAL OIL FRO	M THE TRUCK TANK BOTTOME
I STEP THE THE	H THE TROCK TANK BUTTUMS
	•
	j
GERRY FOXWELL	representative for:
(Print Name)	de bourte, and't also
CF&M OIL FIELD SERVICES INC	do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July,
according to the Resource Conservation and Recover 1988, regulatory determination, the above described to	
1300' Isfinstora naterialization' die spore nezeroen d	rasta is. Tollack appropriate biosolikeadura
EXEMPT oilfield waste NON-EXEM	PT pilfield waste which is non-hazardous by characteristic
	by product identification
•	by product identification
and that nothing has been added to the exempt or nor	
and that nothing has been added to the exempt or nor	-exempt non-hazardous waste defined above.
and that nothing has been added to the exempt or nor For NON-EXEMPT waste the following documentat MSDS Information	-exempt non-hazardous waste defined abovs.
For NON-EXEMPT waste the following documentate MSDS Information VV RCRA Hazardous Waste Analysis	-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentate MSDS Information VV RCRA Hazardous Waste Analysis	-exempt non-hazardous waste defined abovs.
and that nothing has been added to the exempt or nor For NON-EXEMPT waste the following documentat MSDS Information	-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentate MSDS Information XX RCRA Hazardous Waste Analysis Chain of Custody	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information ACRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of N	-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentate MSDS Information ACRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of N	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information ACRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of N	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information XX RCRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D.	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information XX RCRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D.	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information RCRA Hazardous Waste Analysis XX Chain of Custody This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature):	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information XX RCRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D.	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information WE RCRA Hazardous Waste Analysis Chain of Custody This waste is in compliance with Regulated Levels of No 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature): PRESIDENT	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):
For NON-EXEMPT waste the following documentate MSDS Information XX RCRA Hazardous Waste Analysis XX Chain of Custody This waste is in compliance with Regulated Levels of No 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature):	-exempt non-hazardous waste defined above. ion is attached (check appropriate items): Other (description):



TRACE METAL ANALYSIS

Client:	CF & M	Project #:	005001				
Sample ID:	5 Point on North Jumps	Date Reported:	05-26-00				
Laboratory Number:	H341	Date Reported: Date Sampled:	05-25-00				
•		· •					
Chain of Custody:	7886	Date Received:	05-25-00				
Sample Matrix:	Soil	Date Analyzed:	05-26-00				
Preservative:	Cool	Date Digested:	05-26-00				
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals				
		Det.					
	Concentration	Limit					
Parameter	(mg/L)	(mg/L)					
Arsenic	0.124	0.002					
Barium	1.20	0.002					
Cadmium	0.126	0.002					
Chromium	0.188	0.002					
Lead	0.472	0.002					
Mercury	0.006	0.002					
Selenium	ND	0.002					
Silver	0.028	0.002					

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

Aztec Motor Cross Track.

∆nalvst



TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-26-TM QA/QC	Date Reported:	05-26-00
Laboratory Number:	H341	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	05-26-00
Condition:	N/A	Date Digested:	05-26-00

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	on Sample	9 Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.002	0.124	0.128	3.2%	0% - 30%
Barium	ND	ND	0.002	1.20	1.20	0.0%	0% - 30%
Cadmium	ND	ND	0.002	0.126	0.126	0.0%	0% - 30%
Chromium	ND	ND	0.002	0.188	0.190	1.1%	0% - 30%
Lead	ND	ND	0.002	0.472	0.470	0.4%	0% - 30%
Mercury	ND	ND	0.002	0.006	0.006	0.0%	0% - 30%
Selenium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Silver	ND .	ND.	0.002	0.028	0.028	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	e Spiked Sample	Contract to the second second second	Acceptance Range
Arsenic	1.00	0.124	1.12	100%	80% - 120%
Barium	1.00	1.20	2.20	100%	80% - 120%
Cadmium	1.00	0.126	1.12	99%	80% - 120%
Chromium	1.00	0.188	1.19	100%	80% - 120%
Lead	1.00	0.472	1.47	100%	80% - 120%
Mercury	0.100	0.006	0.104	98%	80% - 120%
Selenium	1.00	ND	0.996	100%	80% - 120%
Silver	1.00	0.028	1.03	100%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for sample H341.

Alexand, Copeer

Mustin m Walters

CHAIN OF CUSTODY RECORD

Client / Project Name			Project Location Azrec MdorCross TRACK.			M ANALYSIS / PA					S / PAR	RAMETERS					
Sampler: HARLAN M	Brown)	Client No.	Client No.			No. of Containers RCRA SWLA					Re	marks				
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		Cont	& B									
5 Point. on North jumps	5.25.00	13:30	4341	S	કે ો			/									
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					* • • · · · · · · · · · · · · · · · · ·					•							
Relinquished by: (Signatu	Bro	<u></u>	>	Date 5 · 25 · 0 p	14:10	4	Lu	(Signatu	<u>, (</u>	Pyle	···			1	ate ೯-೮೮	İ	me
Relinquished by: (Signatu	re)				_	Receiv	ed by:	(Signatu	ire)								
Relinquished by: (Signatu	ire)				&	Receiv	ed by:	(Signatu	ıre)								
				ENV	IROI	EC	出		C.					Sample R	eceipt		
					796 U.S. ngton, N				1				Rece	pived Intact	Y	N	NA
					(505)			5,40	•				Cool -	Ice/Blue Ice			

Distric (505) 393-6161 P. O. Box 1980 Hobbs NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Rio Brazos Road

District IV - (505) 827-7131

د...c, NM 87410

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 97057

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE			
1. RCRA Exempt: Non-Exempt: Userbal 6.5.00	4. Generator EPFS		
Verbal Approval Received: Yes 🔲 No 🔲	5. Originating Site Kuta		
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Talond		
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Manico		
7. Location of Material (Street Address or ULSTR)	Sec 11, 729N, RILW, SJC,1		
9. Circle One:			
 A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification is testing or testing will be approved. All transporters must certify the wastes delivered are only those consignation. 	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by		
Estimated Volume 80 bb cy Known Volume (to be entered by the op	JUN 2000 PECEIVED OIL CON DIV DIST. 3		
SIGNATURE: Harland TITLE: Landfarm I Waste Management Facility Authorized Agent	Manager DATE: 6.6.00		
Harlan M. Brown	LEPHONE NO		
(This space for State Use)			
	0515 DATE: 6/8/00		
APPROVED BY: Charle / Lira TITLE: Def, 11/6	26 10 sleck 1 DATE: 6/8/00		

Generator Name and Address:	2. DestInation Name:		
El Paso Field Services Co.	Envirotech Soil Remediation Facility		
614 Reilly Avenue	Landfarm #2		
Farmington, NM 87401	Hilltop, New Mexico		
Originating Site (name):	Location of Waste(Street address &/or ULSTR):		
Kutz Hydrocarbon Recovery Facility	Sec. 11, T29N, R11W, San Juan County, NM		
Attach list of originating sites as appropriate			
Source and Description of Waste			
Coal fines and hydrocarbon studge from ea	xempt field liquids		
ı, David Bays	representative for:		
(Print Name)			
El Paso Field Se	arvices Co		
according to the Resource Conservation a	nd Recovery Act (RCRA) and Environmental Protection Agency's July		
1988 regulatory determination, the above of	described waste is: (Check appropriate classification)		
X EXEMPT Oilfield waste	NON-EXEMPT olifield waste which is non-hazardous by		
	characteristic analysis or by product identification		
and that nothing has been added to the ex-	empt or non-hazardous waste defined above.		
For NON-EXEMPT waste only, the following	ng documentation is attached (check appropriate items):		
MSDS Information	Other (description)		
RCRA Hazardous Waste Analysis Chain of Custody			
Gridin or Gustody			
Name (Original Signature):	anil Baze		
Title: Pri	incipal Environmental Scientist		
Date: Ju	ne 6, 2000		

District I - (505) 393-6161 P. O. Box 1980 Hotbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178

Rio Brazos Road

APPROVED BY

District IV - (505) 827-7131

c, NM 87410

New Mexico Energy Minerals and Natural Resources Department PED

Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

MAY 2 2 2000

Environmental Bureau Oil Conservation Division 92132 Env. JN:

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

(505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE			
1. RCRA Exempt: Non-Exempt: .	4. Generator Hallibuites		
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Main Yand		
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotedy		
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Den Marico		
7. Location of Material (Street Address or ULSTR)	4109 E. Main St. Facultation, Du 87401		
9. Circle One:			
 A. All requests for approval to accept oilfield exempt wastes will be accordenerator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accordened by the material is not-hazardous and the Generator's certification listing or testing will be approved. 	mpanied by necessary chemical analysis to not origin. No waste classified hazardous by		
All transporters must certify the wastes delivered are only those consigned	for transport.		
BRIEF DESCRIPTION OF MATERIAL: Continuation of work boars So TC CP & Reaffermation 5t	MAY 2000 RECEIVED OBT. 3		
Estimated Volume cy Known Volume (to be entered by the operator at the end of the haul) cy			
SIGNATURE: Harlan M. Brown	505-632-0615		
TYPE OR PRINT NAME: HAPTAN M. Brown TELI	EPHONE NO		
(This space for State Use)			

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Professional Communication of the Communication of th

District IV - (505) 827-7131

APPROVED BY:

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 92132

The state of the s	والمراب والمناول والمناز والمناز والمناول والمنا	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE	
1. RCRA Exempt: Non-Exempt: [2].	4. Generator Hallibuit	
Verbal Approval Received: Yes 🔲 No 🔙	5. Originating Site Main Your	
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Esuivotesly	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Dew Marico	
7. Location of Material (Street Address or ULSTR)	4109 E. Main St. Facultation, NM 87901	
9. Circle One:		
 A. All requests for approval to accept olifield exempt wastes will be accordenerator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accorded PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. 	impanied by necessary chemical analysis to n of origin. No waste classified hazardous by	
Estimated Volume — Cy Known Volume (to be entered by the operator at the end of the haul) — cy SIGNATURE: Harling to Market Manager DATE: 5:17:00		
Waste Management Facility Authorized Agent Harlan M. Brown	DATE: 5 · 17 · 0 · 0 EPHONE NO. 505-632-0615	
(This space for State Use) APPROVED BY: Demy Set TITLE: Geolo	9137 DATE: 5/18/00	

TITLE:

DATE:







NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 67410 (506) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

3. Generator Name and Address:	2. Destination Name:
Halliberton Energy Service	Envirotech Inc.
4109 E Main	Soil Remediation Remediation Facility
Farmington M Therin 84401	Landfarm #2, Hilltop,New Mexico 5796 US Hwy 64, Farmington, NM 87401
7 Tommer Marie 87401 3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Wash Bay (S) above	4109 E Meni
Holding area	Farming MMex
Attach list of originating sites as appropriate	
4. Source and Description of Waste	·
Wash Bay solido C cont	inustion)
1. Doug Hopes	representative for:
Hollibuta Energ Herries	
Hollibura Cheny Derrices	do hereby certify that,
1988, regulatory determination, the above described v	y Act (RCRA) and Environmental Protection Agency's July, vaste is: (Check appropriate classification)
	PT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or non	exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentated MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	ion is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.	aturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature): Work (Abbas	
Title: Maintenan Serpuris	
Date: 5/16/00	



REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

2-10-00

Printed Name

Doug HOOGES

Title / Agency

Address

Signature

Date

February 17, 2000

Mr. Doug Hodges Halliburton Energy Services 4109 E. Main Farmington, NM 87402

Phone: (505) 325-3575

Client No.: 92132-01 Job No.: 213201

Dear Mr. Hodges,

Enclosed are the analytical results for the sample collected from the location designated as "4109 E. Main, Farmington, NM". One sludge sample was collected by Envirotech personnel on 2/10/00, and received by the Envirotech laboratory on 2/10/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7673 and assigned Laboratory No. G811 (Wash Bay Sludge) for tracking purposes.

The sample was analyzed 2/10/00 through 2/16/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, **Envirotech. Inc.**

Christine M. Walters

Łaboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/Hall.wpd





SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Client:

Halliburton Energy Services

Project #:

213201

Sample ID:

Wash Bay Sludge

Date Reported:

02-10-00

Lab ID#:

G811

Date Sampled:

02-10-00

Sample Matrix:

Sludge

Date Received:

02-10-00

Preservative:

Cool

Date Analyzed:

02-10-00

Condition:

Cool and Intact

Chain of Custody:

7673

Parameter

Result

IGNITABILITY:

Negative

CORROSIVITY:

Negative

pH = 7.60

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

IGNITABILITY:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.





EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Halliburton Energy Services	Project #:	213201
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G811	Date Sampled:	02-10-00
Chain of Custody:	7673	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-14-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0429	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0066	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%

Trifluorotoluene Bromofluorobenzene

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst

Review

99%





Client:	Halliburton Energy Services	Project #:	213201
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G811	Date Sampled:	02-10-00
Chain of Custody:	7673	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-15-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst

Review



EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

Client:	Halliburton Energy Services	Project #:	213201
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G811	Date Sampled:	02-10-00
Chain of Custody:	7673	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-15-00
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery

2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

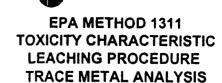
Comments:

4109 E. Main, Farmington, NM.

Alen P. afence

Pristing Maeters





Pogulatory

Client:	Halliburton Energy Services	Project #:	213201
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G811	Date Sampled:	02-10-00
Chain of Custody:	7673	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Analyzed:	02-16-00
Preservative:	Cool	Date Extracted:	02-11-00
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Level
//I \
(mg/L)
5.0
21
0.11
0.60
0.75
0.025
5.7
0.14

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

4109 E. Main, Farmington, NM.

Analyst

Christini m Wasters
(Review

CHAIN OF CUSTODY RECORD

Client / Project Name		 	Project Location	•		ANALYSIS / PARAMETERS								
Hacei Burton &	المحرد ع	د <i>بزوحن</i>	4109 EM	ain m Dh										
Sampler:		•	Client No.		90	op Turk Rema			narks					
Harken M	HARRAN M. Brown 92		9213	32-01		TCLP					- · · · · ·			
Sample No./	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	153						 -		
work Bay	02.(0.00	1	6811	Sludge	_								-	
3				7										
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			•	5796 U.S	. Highway 6	34				Received Inta		Y	N	NA
				Farmington, N (505)	ew Mexico 632-0615	87401				Cool - Ice/Blue		4	-	\dashv

District I (505) 393-6161 P. O. Box 1980 Hobbs. AM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate ffice

P1-trict III - (505) 334-6178
Rio Brazos Road
~~c, NM 87410
District IV - (505) 827-7131

دد, NM 87410 <u> </u>	(303) 027-7131	Env. JN:	District Off
REQUEST FOR AF	PPROVAL TO ACCEPT	SOLID WASTE	1
1. RCRA Exempt: Non-Exempt:	Danny Foust. 5.26.00 _ 7:37	4. Generator	Resources. She She Juan Riva
Verbal Approval Received: Yes	No 🛄	5. Originating S	ille Planst.
2. Management Facility Destination Facili	ech Soil Remedia. ity Landfarm #2	6. Transporter	Edvirotech
	Highway 64 on, NM 87401	8. State N	o Maxico
7. Location of Material (Street Address or ULSTF	R)	99 ROAD 6	500 -land Dul
9. <u>Circle One</u> :			
 A. All requests for approval to accept oilfield Generator; one certificate per job. B. All requests for approval to accept non-expression provides and listing or testing will be approved. All transporters must certify the wastes delivered.	kempt wastes must be acci I the Generator's certificatio	ompanied by necessa n of origin. No waste	ary chemical analysis to
BRIEF DESCRIPTION OF MATERIAL: Pigging Sludge. Estimated Volume + 10 cy Known Vol	Never House (to be entered by the open	681953 68195 6	1 1 1 6 8 A B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
11 0 3 58		 	
Waste Management Facility Authorized Agent	TITLE: Landfarm M		DATE: 0.5 · 26 · 90 -632-0615
TYPE OR PRINT NAME: Harlan M. Brown	TEL	EPHONE NO.	032 0013
(This space for State Use)			
APPROVED BY: Deny Dister	TITLE: Geolog	<i>is i</i>	DATE: <u>5/26/00</u>
APPROVED BY: Charles Term	TITLE: Dbty Od	6 inspected 1	DATE: 5/26/00

RECEIVED MAY 2 5 2000



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

DIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 67410 (505) 534-5178 Fax (505)334-5170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Western Gas Resources	Envirotech Inc.
P.U. BOX70 99 Rd 6500	Soil Remediation Remediation Facility
Kirtland, N.M. 87417	Landfarm #2, Hilltop, New Mexico
3. Originating Site (name):	5796 IIS Hwy 64, Farmington, NM 87401 Location of the Waste (Street address &/or ULSTR):
Pig Reciever San Juan River	Plant
1 / .	· ·
99 Rd. 6500 Kirtland N.M	· 87417
Attach list of originating sites as appropriate	
4. Source and Description of Waste	- 10:1
Pigging Sludge - Iron	Sulfide
The second of the control of the second of t	the region of a many reservoir of the first first market with the last of the same of the standards.
T Rotes	
I, Tim Dates (Print Name)	representative for:
Western Gas Resources.	Tido de harabu ancido char
reporting to the Resource Consequetion and Recover	ry Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	•
tada, tagasazar, aatammatan, ala aaara aaamaa	The date of the control of the contr
X EXEMPT oilfield waste NON-EXEM	IPT cilfield waste which is non-hazardous by characteristic
	by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above.
	,
For NON-EXEMPT waste the following documenta	
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	
Chain of Custody	
en e	Defending the second of the Committee of
_	Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	•
Name (Original Signature):	ta
Name (Original Signature):	
Ell Carriers	
litle: <u>riela</u> Supervisor	And the special distribution of the special sp
Title: <u>Field Supervisor</u> Date: <u>5-24-2000</u>	•
Date: 5-24-2000	and the second s

District I - (505) 393-6161 F₂O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 7 Rio Brazos Road

c, NM 87410 تديد

New Mexico Energy Minerals and Natural Resources Department 3 Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

District IV - (505) 827-7131	Envior JNON STATE STATE OF STA
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE TANK
1. RCRA Exempt: Non-Exempt: 🔼	4. Generator Production Open
Verbal Approval Received: Yes No No	5. Originating Site POT YARD
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter TBA.
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State NEW Mapolico
7. Location of Material (Street Address or ULSTR)	4000 Lower St. Francis for AN 87401
9. Circle One:	3
 A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. 	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	a lor transport.
Used molor oil contourinated so TCLP metals AWACTSIS Att	ashd.
USDS ATTACHED.	
	•
Estimated Volume cy Known Volume (to be entered by the open	erator at the end of the haul) cy
SIGNATURE: Waste Management Facility Authorized Agent TITLE: Landfarm M	anager DATE: 5.15.00
Harlan M. Brown	EPHONE NO. 505-632-0615
(This space for State Use)	
APPROVED BY: Deny tent TITLE: Geole	05/3/ DATE: 5/17/00
APPROVED BY: 1 Dim. TITLE En) ronn	DATE: 5/17/00 DATE: 5/6-00

CERTIFICATE OF WASTE STATUS

D. Commercial Manager of A. 13	
Generator Name and Address: Sublymbarger	2. Destination Name:
Schlumberger Production Operator's Inc.	Envirotech Soil Remediation Facility
Production Operator's, Inc 4000 Lomas Street	Landfarm # 2
	Hwy 550 (formerly Hwy 44)
Farmington, NM 87401	Hilltop, NM
3. Originating Site (Name):	·
Production Operator's Yard	
4000 Lomas Street	
Farmington, NM	
4. Source and Description of Waste:	
Used motor oil. Material was upset from cor	nnrassors during normal operations and
maintenance.	inpressors during normal operations and
manitenance.	
·	
I, Charley Weah	kee representative for:
I, Charley Weah (Print Name)	representative for.
Schlumberger, Production Operator's	Inc. do hereby certify
that according to the Resource Conservation	
Agency's July, 1988, regulatory determination	
(Check appropriate classification)	ii, the above described waste is.
EXEMPT oilfield waste	X NON-EXEMPT oilfield waste
	which is non-hazardous by characteristic
	analysis or by product identification and
	That nothing has been added to the exempt
	Non-hazardous waste defined above.
	Tron nazardous waste defined above.
For EXEMPT waste only, the following	For NON-EXEMPT waste only, the following
documentation is attached (check appropriate items)	documentation is attached (check appropriate items)
	X MSDS Information
NORM Survey	X TCLP Analysis
TCLP Analysis	X Chain of Custody
	X NORM Survey
	Other (description)
·	
Name (Original Signature): (holy)	estre
Title: QHSE Coordinator POI	
Date: $5/15/\infty$	
~~~~	



### Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

Client:

Production Operators, Inc.

Project: Sample ID:

Sample #1/2 Comp.

Lab ID:

0300S01962

**POLYARD** 

Matrix:

Soil

Condition:

Cool/Intact

2506 West Main Street, Farmington, NM 87401

Date Reported: 05/12/00 Date Sampled: 05/11/00

Date Received: 05/11/00

Date Analyzed: 05/11/00

Parameter	Analytical Result	PQL	MCL	Units
RCRA Metals				
Arsenic	· <6	6	100	mg/Kg
Barium	474	1	2000	mg/Kg
Cadmium	<0.5	0.5	20	mg/Kg
Chromium	7	1	100	mg/Kg
_ead	9	5	100	mg/Kg
Mercury	<0.1	0.1	4	mg/Kg
Selenium	<4	4	20	mg/Kg
Silver	<2	2	100	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Wasto: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.

Reviewed By:

William Lipps



#### MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED:06/30/92

****** I. PRODUCT IDENTIFICATION ************** MOBIL PEGASUS 485

SUPPLIER:

.24-HOUR EMERGENCY (CALL COLLECT):

MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:

(609) 737-4411

CHEMTREC:

PET. HYDROCARBONS AND ADDITIVES

(800) 424-9300

USE OR DESCRIPTION:

PRODUCT AND MSDS INFORMATION:

NATURAL GAS ENGINE OIL (800) 662-4525

********* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES ********

APPEARANCE: Dark Amber Liquid ODOR: Mild PH: NA

VISCOSITY AT 100 F, SUS: 649.0 AT 40 C, CS: 124.0 AT 100 C, CS: VISCOSITY AT 210 F, SUS: 72.0 13.0

FLASH POINT F(C): > 450(232) (ASTM D-92)

MELTING POINT F(C): NA POUR POINT F(C): 5(-15)

BOILING POINT F(C): > 600(316)

RELATIVE DENSITY, 15/4 C: 0.88 SOLUBILITY IN WATER: Negligible

VAPOR PRESSURE-mm Hg 20C: < .1

NA=Not Applicable NE=Not Established D=Decomposes FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

********** III. POTENTIALLY HAZARDOUS INGREDIENTS ********

None

SEE SECTIONS XII AND XIII FOR REGULATORY AND FURTHER COMPOSITIONAL DATA.

SOURCES: A=ACGIH-TLV, A*=Suggested-TLV, M=Mobil, O=OSHA, S=Supplier NOTE: Limits shown for guidance only. Follow applicable regulations.

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---THRESHOLD LIMIT VALUE: 5.00 mg/m3 Suggested for Oil Mist EFFECTS OF OVEREXPOSURE: Not expected to be a problem.

********** V. EMERGENCY AND FIRST AID PROCEDURES ********** --- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: Flush thoroughly with water. If irritation persists, call a physician.

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem. However, if greater than 1/2 liter(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

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Mobil
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***********************

FLASH POINT F(C): > 450(232) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6% UEL: 7.0%

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus.

Prevent runoff from fire control or dilution from entering streams,

sewers, or drinking water supply.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

******************* VIII. SPILL OR LEAK PROCEDURE ***********

ENVIRONMENTAL IMPACT: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

WASTE MANAGEMENT: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

*********************

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

ORAL TOXICITY (RATS): Slightly toxic ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Slightly toxic --- Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable ---Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Expected to be non-irritating. ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Expected to be non-irritating. ---Based on testing of similar products and/or the components. ---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

--- CHRONIC TOXICOLOGY (SUMMARY) ---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of similar oils showed no evidence of carcinogenic effects.

DOT:

Shipping Name: Not applicable Hazard Class: Not applicable

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312 - FORMERLY 302) REPORTABLE HAZARD CATEGORIES: None

This product contains no chemicals reportable under SARA (313) toxic release program.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME

ZINC (ELEMENTAL ANALYSIS) (.03%)

PHOSPHORODITHOIC ACID, 0,0-DI C114-ALKYL ESTERS, ZINC SALTS (2:1)
(ZDDP) (.24%)

CAS NUMBER

7440-66-6
15
68649-42-3
15

#### --- KEY TO LIST CITATIONS ---

1 = OSHA Z, 2 = ACGIH, 3 = IARC, 4 = NTP, 7 = NFPA 49, 8 = NFPA 325M, 9 = DOT HMT, 10 = CA RTK, 11 = IL RTK, 12 = MA RTK, 13 = MN RTK, 14 = NJ RTK, 15 = MI 293, 16 = FL RTK, 17 = PA RTK,

18 = CA P65.

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

INGREDIENT DESCRIPTION CAS NUMBER PERCENT CONTAINS THE FOLLOWING BASE OILS: > 95.00 DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC DISTILLATES (PETROLEUM), SOLVENT-64742-65-0 DEWAXED HEAVY PARAFFINIC AMINES, POLYETHYLENEPOLY-, REACTION < 2.00 PRODUCTS WITH SUCCINIC ANHYDRIDE POLYBUTENYL DERIVS. SULFONIC ACIDS, PETROLEUM, < 2.00 61789-86-4 CALCIUM SALTS ZINC DITHIOPHOSPHATE 0.26 NJT 800967-5469P

**********************

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

PREPARED BY: MOBIL OIL CORPORATION

ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ FOR FURTHER INFORMATION, CONTACT:

MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL 3225 GALLOWS ROAD, FAIRFAX, VA 22037 (800) 227-0707 X3265

District I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 7 Rio Brazos Road c, NM 87410ء۔۔۔

District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Departu Oil Conservation Division 2040 South Pacheco Street

Santa Fe, New Mexico 87505 (505) 827-7131

15-00 mjK Env.

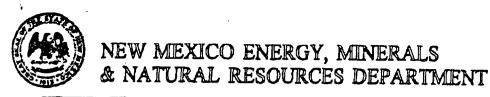
Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Durch
Verbal Approval Received: Yes 🔀 No 🔲	5. Originating Site C.R.Sの30
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Fauvotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Westico
7. Location of Material (Street Address or ULSTR)	SELY See 9, 729N, RIIW, SJ
<ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accommodated generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accomproved the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul>	mpanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
Clean up of soil contonninated wy  CLEP WOHER  RCRARCE ATTALLAN  £ 3004	11.04
Estimated Volume cy Known Volume (to be entered by the ope	rator at the end of the haul) cy
SIGNATURE: Harlan M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TELE	DATE: 05.15.00  EPHONE NO. 505-632-0615
APPROVED BY: Martin 9 2hij TITLE: Environment	



4 200n



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1900 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name:
USDI-BLM	Envirotech Inc.
Environmetal Compliance 1235 E. La Plata Her, Ste L.	Soil Remediation Remediation Facility
	Landfarm #2, Hilltop, New Mexico
Farmington, NM- 87401	5796 US Hwy 64 Farmington, NM 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
ILLEGAL Domp SITE	SE Y4 Sec 9, TZ9N , RILW, SJC.
Country Rd. 5030	
37.	
Attach list of originating sites as appropriate	
4. Source and Description of Waste	C a d d A
Illegally dempod amuls	iteas on a water.
	<u> </u>
	1
	,
	/
1. Kuben A. Sanche	representative for:
(Print Name)	Tuleway Farmington, Win do hereby certify that,
Bureau of Land Wigt - Dept of	Ln [ evon Farmington, NM] do hereby certify that,
according to the Resource Conservation and Recovery	y Act (RCHA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described v	VASTO IS: (Check appropriate classification)
EVERADY alkind	DT allfield waste which is non-hanned we by sharesteries:
EXEMPT oilfield waste NON-EXEM	PT oilfield waste which is non-hazardous by characteristic by product identification
analysis or	ру ргодосственинеация
and that nothing has been added to the exempt or non	-exempt non-hazardous waste defined above.
and that healing has been added to the exempt of her	The state of the s
For NON-EXEMPT waste the following documentat	ion is attached (check appropriate items):
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	orion sacon perons
Chain of Custody	
<u> </u>	
•	•
This waste is in compliance with Regulated Levels of No	aturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	
to 20 miles 3.1 Support 1700.0 and D.	
Name (Original Signature):	2. also
ivaine (Original Signature). Quality 17. St	ancin'i
11/14	H/101
Title: Environmenta / hotection	186m Lead
Date: 1964 2, 2000	

April 19, 2000

Mr. Ruben Sanchez Bureau of Land Management 1235 La Plata Hwy Farmington, NM 87401

Phone: (505) 599-6319

Project No.: 00018 Job No.: 001801

Dear Mr. Randalman,

Enclosed are the analytical results for one soil sample collected from the location designated as "CR 5030". One soil sample was collected by Envirotech designated personnel on 4/11/00, and received by the Envirotech laboratory on 4/11/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7782 and assigned Laboratory No. H097 (5 Pt. #1) for tracking purposes. The sample was analyzed 4/12/00 - 4/18/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.** 

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/BLM.wpd



### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:

t: Bi

Sample ID:

Lab ID#:
Sample Matrix:
Preservative:

Condition:

BLM

5 Pt. #1 H097

Soil Cool

Cool and Intact

Project #:

Date Reported: Date Sampled:

Date Received:

Date Analyzed: Chain of Custody: 001801

04-18-00

04-11-00

04-11-00

04-12-00

7782

**Parameter** 

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

pH = 8.78

**REACTIVITY:** 

Negative

RCRA Hazardous Waste Criteria

Parameter

**Hazardous Waste Criterion** 

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

(i.e. Sample ignition upon direct contact with hame or hash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

CR 5030. 5 Pt. Composite.

Analyst

Review



#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	ВІМ	Project #:	001801
Sample ID:	5 Pt. #1	Date Reported:	04-17-00
Laboratory Number:	H097	Date Sampled:	04-11-00
Chain of Custody:	7782	Date Received:	04-11-00
Sample Matrix:	Soil	Date Extracted:	04-12-00
Preservative:	Cool	Date Analyzed:	04-14-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

	Canananatian	Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0416	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0158	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery
		Trifluorotoluene 98%	
		Bromofluorobenzene	99%
References:	Method 1311, Toxicity C	haracteristic Leaching Procedure, SV	V-846, USEPA, July 1992.
	Method 5030, Purge-and	I-Trap, SW-846, USEPA, July 1992.	
	Method 8010, Halogenat	ted Volatile Organic, SW-846, USEPA	A, Sept. 1994.
	Method 8020, Aromatic \	Volatile Organics, SW-846, USEPA, S	Sept. 1994.
Note:	Regulatory Limits based	on 40 CFR part 261 Subpart C section	on 261.24, July 1, 1992.
Comments:	CR 5030.		

Deen L. Office.

Mistin Musters
Review



#### EPA METHOD 8040 PHENOLS

Client:	BLM	Project #:	001801
Sample ID:	5 Pt. #1	Date Reported:	04-18-00
Laboratory Number:	H097	Date Sampled:	04-11-00
Chain of Custody:	7782	Date Received:	04-11-00
Sample Matrix:	TCLP Extract	Date Extracted:	04-12-00
Preservative:	Cool	Date Analyzed:	04-14-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
<b>\</b>	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

CR 5030. 5 Pt. Composite.

Analyst

Mister M. Walter Review



### EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

<b>0</b> 11			
Client:	BLM	Project #:	001801
Sample ID:	5 Pt. #1	Date Reported:	04-18-00
Laboratory Number:	H097	Date Sampled:	04-11-00
Chain of Custody:	7782	Date Received:	04-11-00
Sample Matrix:	TCLP Extract	Date Extracted:	04-12-00
Preservative:	Cool	Date Analyzed:	04-14-00
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
P. J. P.			
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachioroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery

2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

CR 5030.

5 Pt. Composite.

Analyst P. Office

Misting Walters



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	BLM	Project #:	001801
Sample ID:	5 Pt. #1	Date Reported:	04-18-00
Laboratory Number:	H097	Date Sampled:	04-11-00
Chain of Custody:	7782	Date Received:	04-11-00
Sample Matrix:	TCLP Extract	Date Analyzed:	04-18-00
Preservative:	Cool	Date Extracted:	04-12-00
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

		Regulatory
	Limit	Level
(mg/L)	(mg/L)	(mg/L)
0.031	0.001	5.0
1.42	0.001	21
0.012	0.001	0.11
0.008	0.001	0.60
0.035	0.001	0.75
ND	0.001	0.025
0.004	0.001	5.7
0.001	0.001	0.14
	1.42 0.012 0.008 0.035 ND 0.004	(mg/L) (mg/L)  0.031

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

CR 5030. 5 Pt. Composite.

Analyst

Mustine m Warters



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-17-00
Laboratory Number:	04-14-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-00
Condition:	N/A	Analysis Requested:	TCLP

:		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Wheel Ohlers and	ND	0.0004	
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND .	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Deu P. Operen Christinin Walter



#### **EPA METHODS 8010/8020** AROMATIC / HALOGENATED **VOLATILE ORGANICS Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-17-00
Laboratory Number:	04-12-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-00
Condition:	N/A	Date Extracted:	04-12-00
		Analysis Requested:	TCLP

		Detection	Regulatory	
	Concentration	Limit	Limits	
Parameter	(mg/L)	(mg/L)	(mg/L)	
Vinyl Chloride	ND	0.0001	0.2	
1,1-Dichloroethene	ND	0.0001	0.7	
2-Butanone (MEK)	ND	0.0001	200	
Chloroform	ND	0.0001	6.0	
Carbon Tetrachloride	ND	0.0001	0.5	
Benzene	ND	0.0001	0.5	
1,2-Dichloroethane	ND	0.0001	0.5	
Trichloroethene	ND	0.0003	0.5	
Tetrachloroethene	ND	0.0005	0.7	
Chlorobenzene	ND	0.0003	100	
1,4-Dichlorobenzene	ND	0.0002	7.5	

ND - Parameter not detected at the stated detection limit.

QA/QC Accep	otance Criteria	Parameter	Percent Recovery
		Trifluorotoluene	99%
		Bromofluorobenzene	98%
References:	: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.		'-846, USEPA, July 1992.
	Method 5030, Purge-and	-Trap, SW-846, USEPA, July 1992.	
	Method 8010, Halogenat	ed Volatile Organic, SW-846, USEPA	, Sept. 1994.
	Method 8020, Aromatic \	/olatile Organics, SW-846, USEPA, Se	ept. 1994.
Note:	Regulatory Limits based	on 40 CFR part 261 Subpart C section	n 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: Sample ID:	QA/QC Matrix Duplicate	Project #: Date Reported:	N/A 04-17-00
Laboratory Number:	H096	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-14-00
Condition:	N/A	Date Extracted:	04-12-00

		Duplicate		
	Sample	Sample	Detection	
	Result	Result	Limits	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0162	0.0161	0.0001	0.7%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.135	0.135	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples H096 - H098.

Review Matter



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	04-17-00
Laboratory Number:	Н096	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-14-00
Condition:	N/A	Date Extracted:	04-12-00

			Spiked			SW-846
· !	Sample	Spike	Sample	Det.		% Rec.
	Result	Added	Result	Limit	Percent	Accept.
Parameter	(mg/L)	(mg/L)	(mg/L)	(mg/L)	Recovery	Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0162	0.050	0.0657	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.135	0.050	0.1846	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples H096 - H098.

Illeur L. Cyleren Christin my Watter



#### EPA METHOD 8040 PHENOLS

#### Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-18-00
Laboratory Number:	04-14-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-00
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
	Concentration	Limit	Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
·	2,4,6-tribromophenol	99 %

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Alexa L. Geran

(Review Masters)



### EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-18-00
Laboratory Number:	04-12-TCA	Date Šampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-12-00
Condition:	Cool & Intact	Date Analyzed:	04-14-00
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery	
	2-Fluorophenol	98%	
	2,4,6-Tribromophenol	99%	

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Allen L. Oferen



### EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-18-00
Laboratory Number:	H096	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	04-14-00
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND ·	0.020	0.0%
p,m-Cresol	ND	ИD	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	0040 0	20.00/

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Allen L. Cheece

Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-18-00
Laboratory Number:	04-14-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	04-14-00
		Analysis Requested:	TCLP

	Concentration	Det. Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery	
	2-fluorobiphenyl	99%	

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Analyst (Re



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-18-00
Laboratory Number:	04-12-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-12-00
Condition:	Cool and Intact	Date Analyzed:	04-14-00
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Duvidina	AID.		•
Pyridine	ND ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND .	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery	٦.
			-

#### 2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Alle L. Ofera

Christini my Walters



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-18-00
Laboratory Number:	H096	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	04-12-00
Condition:	N/A	Date Analyzed:	04-14-00
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	, ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples H096 - H098.

Alen L. Green

Review Macter



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-18-TCM QA/QC	Date Reported:	04-18-00
Laboratory Number:	H096	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	04-18-00
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate	Instrument	Method	Detection	on Sample	Duplicate	Control of the second s	- Acceptance
Conc. (mg/L) Arsenic	Blank ND	Blank ND	Llmit 0.001	0.022	0.022	0.0%	Range : 0% - 30%
Barium	ND	ND	0.001	2.87	2.86	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.027	0.026	3.7%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike: Conc. (mg/L)	Spike Added	Sampl	e Spiked Sämple		Acceptance Range
Arsenic	0.500	0.022	0.521	99.8%	80% - 120%
Barium	0.500	2.87	3.35	99.4%	80% - 120%
Cadmium	0.500	0.006	0.505	99.8%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.027	0.528	100.2%	80% - 120%
Mercury	0.050	ND	0.048	96.0%	80% - 120%
Selenium	0.500	0.006	0.505	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples H096 - H098.

Analyst

Review

### **CHAIN OF CUSTODY RECORD**

Client / Project Name  BLM /			Project Location  CR 5030				ANALYSIS / PARAMETERS								-											
Sampler:			Client No.	)			No. of Containers							Rem	arks											
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		Contr	Cont	Cont	Cont	Cont	Cont	Cont	Conta	Cont	Cont R	KV									
SPT.#1	4.11.00	1430	H697	501	12		1	~																		
													SPT.	Dr	Po	317	<u>E</u> ,									
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Relinquished by: (Signa Relinquished by: (Signa				Date 4 .11.00	Time 1450						Dai <del>- [</del> - ] ] -	ĺ	Tir /u'.	me 50												
Relinquished by: (Signa	ture)					Receiv	red by:	(Signatu	ıre)																	
		•		ENV	IRO	TEC	CH	In	C.				Samp	le Rec	eipt											
	-				an in the second second	2 - 34 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	والمراجع والمحادث	والأسامية العرية							Y	N	N/A									
					5796 U.S inaton. N				1				Received Inta	ct												
				Farmington, New M (505) 632-0					-				Cool - Ice/Blue	lce												

Digitalet I - (505) 393-6161 New Mexico P. C. Box 1980 Energy erals and Natural Resources
Oil Conservation Division
2040 South Pacheco Street Holphs, NM 88241-1980 artment District II - (505) 748-1283 811 S. First Artesia, NM 88210 MAY 2000 Santa Fe, New Mexico 87505 P1-trict III - (505) 334-6178 7 Rio Brazos Road (505) 827-7131 c, NM 87410 ند_، Env. JN: 95026 District IV - (505) 827-7131

**RECEIVED** 

Form C-138 Originated 8/8/95

MAY 0 5 2000

Environmental Bureau Oil Conservation Division Submit Original Plus i Čopy to appropriate District Office

0/3/ 3	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt:	4. Generator BJ Sarvices
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site HP. 28.75 Hッマ
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Eaving tech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Numbers co
7. Location of Material (Street Address or ULSTR)	SESE See ZZ, T32NR8W
9. Circle One:	SJ. Comby Hol:
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommended accommendation; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommended and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
Estimated Volume — B — cy Known Volume (to be entered by the ope	MAY 2000  MAY 2000  MECEIVED  OIL CON. DIV  DIST. 3
SIGNATURE: Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE	DATE: 05.03.00  EPHONE NO. 505-632-0615

(This space for State Use) APPROVED B APPROVED BY:

District I - (505) 393-6161 P. O. Bex 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

د...c, NM 87410

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 95026

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: Non-Exempt:	4. Generator BJ Services
Verbal Approval Received: Yes ☐ No 🔀	5. Originating Site MP. 28.75 Hwys
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Eastinotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Marks co
7. Location of Material (Street Address or ULSTR)	SESE See ZZ, T32NR8W
9. Circle One:	SJ. Comby Aul:
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	
Clean up of motor sil, Autotracy	re, hypermelic oil @ a
Four vohicle Accident on. NOV HW TCLP Westels Attached	MAY 2000 RECEIVED TO THE ORLOCAL DIV DIST. 9 DIST. 9
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) ———— cy
SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TELI	DATE: 05.03.00  EPHONE NO. 505-632-0615
(This space for State Use) APPROVED BY: TITLE: Geolog	DATE: 574/00
APPROVED BY: TITLE:	DATE:

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name: Esuratech FOC.	LASINFURGE #>
BJ. Sorvices 3250 Southside River Road	Hill Top, N.M.	
Farencington NW 57400	14 miles S. of Blo	<b>3</b> C (0
3. Originating Site (name):	Location of the Waste (Street	-10
M.D. 28.75 NM Hay 511	_	
Truck obceidant	SESE, Sec 22	5.J.C. Ny
4. Source and Description of Waste		
Soil contouinated with	motor oil, Hyd	vaulic Plans
&, Anto Freeze @ a 4	vehicle Truck	recident.
, 0 (		•
Les Baugh (Print Hame)  BJ Services		_representative for:
Print Name)		do hereby certify that,
according to the Resource Conservation and Recove	ry Act (RCRA) and Environment	
1988, regulatory determination, the above described	waste is: (Check appropriate classif	ication)
EXEMPT oilfield waste	MPT oilfield waste which is non- by product identification	hazardous by characteristic
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste	defined above.
For NON-EXEMPT waste the following documenta	ition is attached (check appropri	ate items):
MSDS Information	Other (description	
RCRA Hazardous Waste Analysis Chain of Custody		
This waste is in compliance with Regulated Levels of I	Naturally Occurring Radioactive	Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.		•
Name (Original Signature):	<u> </u>	
Title: Faceletin Seperision		
Date: 5/3/00		



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	B J Services	Project #:	502604
Sample ID:	Absorbent Composite	Date Reported:	04-21-00
Laboratory Number:	H124	Date Sampled:	04-19-00
Chain of Custody:	7630	Date Received:	04-19-00
Sample Matrix:	TCLP Extract	Date Analyzed:	04-21-00
Preservative:	Cool	Date Extracted:	04-20-00
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

		Det.	Regulatory
	Concentration	Limit	Level
Parameter	(mg/L)	(mg/L)	(mg/L)
·			
Arsenic	0.094	0.001	5.0
Barium	1.02	0.001	21
Cadmium	0.049	0.001	0.11
Chromium	0.031	0.001	0.60
Lead	0.033	0.001	0.75
Mercury	0.002	0.001	0.025
Selenium	0.062	0.001	5.7
Silver	0.009	0.001	0.14

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Mile Marker 26.75 Hiway 511 N.

Analyst

Mistin M Water



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

QA/QC	Project #:	N/A
04-21-TCM QA/QC	Date Reported:	04-21-00
H112	Date Sampled:	N/A
Water	Date Received:	N/A
TCLP Metals	Date Analyzed:	04-21-00
N/A	Date Extracted:	N/A
	04-21-TCM QA/QC H112 Water TCLP Metals	04-21-TCM QA/QC Date Reported: H112 Date Sampled: Water Date Received: TCLP Metals Date Analyzed:

Blank & Duplicate Conc. (mg/៤)	Instrument Blank	Method Blank	Detection Limit	on Sample	a Duplicate	≥ % Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.109	0.107	1.8%	0% - 30%
Barium	ND	ND	0.001	6.07	6.05	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.051	0.050	2.0%	0% - 30%
Chromium	ND	ND	0.001	0.560	0.559	0.2%	0% - 30%
Lead	ND	ND	0.001	0.601	0.603	0.3%	0% - 30%
Mercury	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.037	0.035	5.4%	0% - 30%
Silver	ND	ND	0.001	0.048	0.047	2.1%	0% - 30%

Spike	. Spike	Sampl	e Spiked	Percent	Acceptance
Conc. (mg/L)	Added		Sample	Recovery *	Range
Arsenic	0.500	0.109	0.608	99.8%	80% - 120%
Barium	0.500	6.07	6.55	99.7%	80% - 120%
Cadmium	0.500	0.051	0.550	99.8%	80% - 120%
Chromium	0.500	0.560	1.58	149.1%	80% - 120%
Lead	0.500	0.601	1.10	99.9%	80% - 120%
Mercury	0.050	0.004	0.054	100.0%	80% - 120%
Selenium	0.500	0.037	0.536	99.8%	80% - 120%
Silver	0.500	0.048	0.546	99.6%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples H112 and H124 - H125.

Analyst

### CHAIN OF CUSTODY RECORD

Client / Project Name			Project Location	H	"WAY 51	14	ANALYSIS / PARAMETERS										
BJ Services			mile ma	RKER 5	16.75						INACI SI	0717N7	MAILIEING				1
Sampler:			Client No.		-		é	F 285						Rer	narks		
Kelly John	SOH		5026	04		No on	Containers	14						<del></del> -			
Sample No./	Sample	Sample	Lab Number		Sample	Ž	Con	75 3									
Identification	Date	Time			Matrix			3									
Absorbat	4/19/00	11;00Ar	n H124	te (3	il Am	B.	l	/									
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					ington, Ne	ew Me	xico		1				Received Int	act	۰		
					(505) 6	32-06	15						Cool - Ice/Blue	e Ice			

Direct Is- (505) 393-6161 P. O. Box 1/80 Hobbs, MM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 7 Rio Brazos Road

District IV - (505) 827-7131

د. NM 87410.

New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 2040 South Pacheco Street

MAY 0 5 2000

Environmental Bureau

Submit Original Plus I Copy to appropriate Oil Conservation Division District Office

Form C-138

Originated 8/8/95

MAY 2000 Santa Fe, New Mexico 87505 RECEIVED ₹(505) 827-7131 OIL COM DIV

Env. JN: 95026

Isuted IV - (505) 827-7131 O DIST .	Env. JN: 45026
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt:	4. Generator BJ Services
Verbal Approval Received: Yes No 🗵	5. Originating Site Man Yand
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Now March co
7. Location of Material (Street Address or ULSTR)	3250 South side River Rose
9. Circle One:	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	(S) 3 4 5 3
Continuation of week buy?  TCLP  E  Reaction Statement	MAY 2000 RECEIVED OHLOON DAY DIST. 3
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Wasté Management Facility Authorized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TELI	EPHONE NO
(This space for State Use)	
APPROVED BY: Morting grip. TITLE: Environ	DATE: 574/00
APPROVED BY: Morting of Ring - TITLE: Envivon	mm tel Godogis DATE: 5/5/00

District I - (505) 393-6161 P. O. 1980 Hobbs, NM 8 241-1980 Diagram - (505) 748-1283 811-S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178

7 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 نـــد

### New Mexico Energy Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Medco 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN: 95026

REQUEST FOR APPROVAL TO	ACCEPT SOLID WASTE

1. RCRA Exempt: Non-Exempt: 🔀	4. Generator B.J. Sorulces
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Mark N Yard
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Now March co
7. Location of Material (Street Address or ULSTR)	3250 Southgila Rhar Road
9. Circle One:	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompressed the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>	mpanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	1003 VED
Continuation of wash buy ?  (CLP  E  Reaction Statement	MAY 2000 RECEIVED OHOON DAY DIST. 3
Estimated Volume — Cy Known Volume (to be entered by the ope	rator at the end of the haul) ————————————————————————————————————
SIGNATURE: Waste Management Facility Authorized Agent	DATE: 5.3.00
Harlan M. Brown	EPHONE NO
APPROVED BY: Jerry John TITLE: Fee 100	DATE: 5/4/00
APPROVED BY: TITLE:	DATE:

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name:
BJ Services	2. Destination Name: Remadistion Facility
3250 South Eide River Roxo	LANDFARM #2
FARMINGTON, New Maxico 87401	Hillrop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
BJ Services, Main Yard 3250 South side River Road	Same-Wash Bay Solids Facility
3250 South side Kiver KOAD	
Parministon, N.M. 17401	
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
CONTINUATION of WARL BAY	Solids.
•	
, ,	
BI Services (Print Name)	representative for:
D.T. (Pfirit Name)	
Bd Services	do hereby certify that,
	ery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	Waste Is: (Check appropriate classification)
EXEMPT oilfield waste X NON-EXE	MPT oilfield waste which is non-hazardous by characteristic
	r by product identification
and that nothing has been added to the exempt or no	on-exempt non-hazardous waste defined above.
5 NON EVENDT	ation is associated to book associated to make
For NON-EXEMPT waste the following document MSDS Information	· · · · · · · · · · · · · · · · · · ·
RCRA Hazardous Waste Analysis	X Other (description):  Reaffirms Tion Statement
Chain of Custody	Reattion societies
	(10011)
	Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	•
Name (Original Signature):	$\Lambda$
rvaine (Original Signature).	<del>7)                                    </del>
Title: Facilities Supervisor	•
/ 1	
Date: 5/3/00	



### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

Les Baugh

Title / Agency

Printed Name

FACILITIES Super visor

Address

3250 Suthside River Koap

Signature

e Land

Date

5/3/00

## ENVIROTECH LABS PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

February 17, 2000

Mr. Les Baugh BJ Services 3250 E. Southside River Rd. Farmington, NM 87401

Phone: (505) 327-6222

Client No.: 95026-01 Job No.: 502601

Dear Mr. Baugh,

Enclosed are the analytical results for the sample collected from the location designated as "3250 Southside River Rd., Farmington, NM". One sludge sample was collected by Envirotech personnel on 2/10/00, and received by the Envirotech laboratory on 2/10/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7672 and assigned Laboratory No. G810 (Wash Bay Sludge) for tracking purposes.

The sample was analyzed 2/10/00 through 2/16/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, **Envirotech. Inc.** 

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

Wistin M Walter

enc.

CMW/cmw

C:/files/labreports/BJ.wpd

## **ENVIROTECH LABS**

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client: Sample ID: Lab ID#: B J Services Wash Bay Sludge G810 Project #:
Date Reported:
Date Sampled:

502601 02-10-00 02-10-00

Sample Matrix:
Preservative:

Sludge Cool

Date Received: Date Analyzed:

02-10-00 02-10-00

Condition:

Cool and Intact

Chain of Custody:

7672

**Parameter** 

Result

**IGNITABILITY:** 

**Negative** 

**CORROSIVITY:** 

**Negative** 

08.8 = Hq

REACTIVITY:

Negative

L. Openin

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

Analyst

Mistari M Waeter Review



### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	BJ Services	Project #:	502601
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	02-10-00
Chain of Custody:	7672	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-14-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	- Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0129	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0038	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery	
	Trifluorotoluene Bromofluorobenzene	98% 99%	

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

Den L. apena

Mister of Wasters Review



### EPA METHOD 8040 PHENOLS

Client:	BJ Services	Project #:	502601
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	02-10-00
Chain of Custody:	7672	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-15-00
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

Alexander L. Open en

Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

Client:	BJ Services	Project #:	502601
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	02-10-00
Chain of Custody:	7672	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Extracted:	02-11-00
Preservative:	Cool	Date Analyzed:	02-15-00
Condition:	Cool and Intact	Analysis Requested:	TCLP

	О о то о то А то А ! о т	Det.	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
	\5/	/g/_/	(8,2/
Pyridine	ND	0.020	5.0
Hexachloroethane	· ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery

### 2-fluorobiphenyl

99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

Den L. aferen

Aristine of Water



### **EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE** TRACE METAL ANALYSIS

<b>.</b>			
Client:	BJ Services	Project #:	502601
Sample ID:	Wash Bay Sludge	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	02-10-00
Chain of Custody:	7672	Date Received:	02-10-00
Sample Matrix:	TCLP Extract	Date Analyzed:	02-16-00
Preservative:	Cool	Date Extracted:	02-11-00
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

	•	Det.	Regulatory
	Concentration	Limit	Level
Parameter	(mg/L)	(mg/L)	(mg/L)
Arsenic	0.067	0.001	5.0
Barium	0.585	0.001	21
Cadmium	0.035	0.001	0.11
Chromium	0.022	0.001	0.60
Lead	0.031	0.001	0.75
Mercury	· ND	0.001	0.025
Selenium	0.037	0.001	5.7
Silver	0.016	0.001	0.14

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

3250 Southside River Rd., Farmington, NM.

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# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-16-00
Laboratory Number:	02-14-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-14-00
Condition:	N/A	Analysis Requested:	TCLP

-		Detection	Regulatory
	Concentration	* Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery

Trifluorotoluene Bromofluorobenzene 100% 100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst P. avenu

Mistini m Walters
Review



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-16-00
Laboratory Number:	02-11-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-14-00
Condition:	N/A	Date Extracted:	02-11-00
		Analysis Requested:	TCLP

	*	Detection	Regulatory
!	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform \	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene Bromofluorobenzene	99% 98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

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Review



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	02-14-00
Condition:	N/A	Date Extracted:	02-11-00

		Duplicate		
	Sample	Sample	Detection	
	Result	Result	Limits	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0129	0.0129	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0038	0.0038	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

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Review



### **EPA METHODS 8010/8020** AROMATIC / HALOGENATED **VOLATILE ORGANICS QUALITY ASSURANCE REPORT**

Client:

QA/QC

Sample ID:

Condition:

Matrix Spike

N/A

Laboratory Number:

G810

02-16-00

Sample Matrix:

**TCLP Extract** 

N/A

Analysis Requested:

**TCLP** 

Date Received: Date Analyzed:

Date Reported:

Date Sampled:

Project #:

N/A 02-14-00

N/A

Date Extracted:

02-11-00

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0129	0.050	0.0624	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0038	0.050	0.0536	0.0001	100%	39-150
1,2-Dichloroethane	ND .	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.



## EPA METHOD 8040 PHENOLS ality Assurance Rend

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-16-00
Laboratory Number:	02-15-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-15-00
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery	ال
	2-fluorophenol	98 %	
	2,4,6-tribromophenol	99 %	

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Alexan R. afluer

Review M Wasters



## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-16-00
Laboratory Number:	02-11-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-11-00
Condition:	Cool & Intact	Date Analyzed:	02-15-00
		Analysis Requested:	TČLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen L. Oglewer Analyst

Review M Daeters



## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-11-00
Condition:	Cool & Intact	Date Analyzed:	02-15-00
	•	Analysis Requested:	· TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

arameter	Maximum Difference
	arametei

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst Quince

Mistin M Wasters
Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-16-00
Laboratory Number:	02-15-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	02-15-00
	*:	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst L. Operan

Mistini m Laeter



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	. N/A
Sample ID:	Method Blank	Date Reported:	02-16-00
Laboratory Number:	02-11-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-11-00
Condition:	Cool and Intact	Date Analyzed:	02-15-00
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
		000/

2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

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Moting Marters Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

Client: QA/QC Project #: N/A Sample ID: Matrix Duplicate Date Reported: 02-16-00 Laboratory Number: G810 Date Sampled: N/A Sample Matrix: **TCLP Extract** Date Received: N/A Preservative: N/A Date Extracted: 02-11-00 Condition: N/A Date Analyzed: 02-15-00 Analysis Requested: **TCLP** 

	Sample	Duplicate		Det.
	Result	Result	Percent	Limit
Parameter	(mg/L)	(mg/L)	Difference	(mg/L)
Pyridine	· ND	ND	0.0%	0.020
Hexachloroethane	ND	ND -	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachioroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Aleen L. Ogleen

Mistin m Wasters Review



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-16-TCM QA/QC	Date Reported:	02-16-00
Laboratory Number:	G810	Date Sampled:	· N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	02-16-00
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate				n Sample	it S Duplicate	<b></b>	Acceptance
Conc (mal.)				0.007	0.000	A FO	Range
Arsenic	ND	ND	0.001	0.067	0.066	1.5%	0% - 30%
Barium	ND	ND	0.001	0.585	0.582	0.5%	0% - 30%
Cadmium	ND	ND	0.001	0.035	0.035	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.022	0.022	0.0%	0% - 30%
Lead	ND	ND	0.001	0.031	0.031	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.037	0.036	2.7%	0% - 30%
Silver	ND	ND	0.001	0.016	0.016	0.0%	0% - 30%

e e e e e e e e e e e e e e e e e e e	Solice		rear sines	a la	es en la trada de la composición de la
elanica mienta e a s	A CONTRACTOR OF THE PARTY OF TH			Releasive Season	e de la companya de l
Arsenic	0.500	0.067	0.566	99.8%	80% - 120%
Barium	0.500	0.585	1.08	99.8%	80% - 120%
Cadmium	0.500	0.035	0.534	99.8%	80% - 120%
Chromium	0.500	0.022	0.521	99.8%	80% - 120%
Lead	0.500	0.031	0.530	99.8%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.037	0.535	99.6%	80% - 120%
Silver	0.500	0.016	0.515	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples G810 - G811 and G836.

Alleen h. Careen

Misteri my Wastes
Review

### **CHAIN OF CUSTODY RECORD**

t/Project Name  J Sevuces			Project Location 325050	hoide B		4						ns .					
oler:			Client No.				တ	7					Remarks				
tarena m.	Brown	J	9502	6 -0/			2 E 2 7										
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix	2	Cont	12%									·
Stady Z	2.15.00	8:55	68/0		Sludge	_	1	/									
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										-				<u> </u>			
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quished by: (Signatu	ire)			Date 2.10.00	Time	Receive	d by:	(Signatu	re) L.	0	Lee	۔۔۔۔		ì	Date O OO	1	ime :03
uished by: (Signatu	ıre)					Receive	d by:	(Signatu	re)				•				
quished by: (Signate	ıre)					Receive	d by:	(Signatu	re)	· <del></del>			<del>.</del>				
				ENV	'IRO	TEC	H		<u>.</u>	<u> </u>	<del>- 10 M = 1</del> 1 A = -			Sample F	leceipt		
						1 × 4									Y	N	N/A
					5796 U.S ington, N	lew Me	xico							ived Intact	1	· 	
				(505) 632-0615						Cool -	ice/Blue ice	1		[			

District I - (505) 393-6161 District II - (505) 748-1283 811 S. First

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

05

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Artesia, NM 88210 Pi trict III - (505) 334-6178	Santa Fe, New Mexico 8750
ا Rio Brazos Road مسیدر, NM 87410	(505) 827-7131
District_IV - (505) 827-7131	
The state of the s	

strict 1V - (303) 627-7131	LIIV. SW.
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. ACRA Exempt: Non-Exempt: U. Zh. 00	4. Generator PHILLIPS Retrole
Verbal Approval Received: Yes 🔀 No 🔲	5. Originating Site 5731.6 #23
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Chymanson
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Deas Warpi'co
7. Location of Material (Street Address or ULSTR)	"G" Seel T30N R7W RAC. NOL
9. <u>Circle One</u> :	
<ul> <li>All requests for approval to accept olifield exempt wastes will be accept acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be acceptance.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul>	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigne	d for transport.
BRIEF DESCRIPTION OF MATERIAL:	
potroleom hydrocockon contemin	that soil clooned up
Estimated Volume cy Known Volume (to be entered by the op	• 
SIGNATURE: Waste Management FacilityAuthorized Agent  TYPE OF REINT MAME. Harlan M. Brown	505-632-0615
TYPE OR PRINT NAME: Harlan M. Brown TEL	LEPHONE NO.
(This space for State Use)	
APPROVED BY: Deny Found TITLE: GOO	10513T DATE: 4/28/00
APPROVED BY: Chan Title: DePuty	026 125 Peches DATE: 4/28/00

Donar Foust 4.26.00 7:00 A.M.

### **CERTIFICATE OF WASTE STATUS**

Phillips Petroleum Company 5525 Hwy 64, NEBU 3004 Farmington, NM 87401  Building Site (Name): San Juan 31-6 # 232  A. Source and Description of Waste: Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  A. Wirtanen (Print Name) Phillips Petroleum In According to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification) X EXEMPT oilfield waste  NON-EXEMPT oilfield waste which is non-hazardous by characteristic
Farmington, NM 87401  Hilltop, NM  3. Originating Site (Name): San Juan 31-6 # 232  4. Source and Description of Waste: Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
3. Originating Site (Name): San Juan 31-6 # 232  4. Source and Description of Waste: Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
A. Source and Description of Waste:  Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
A. Source and Description of Waste:  Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
A. Source and Description of Waste:  Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
A. Source and Description of Waste:  Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
4. Source and Description of Waste:  Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I,
Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
Approximately 12 cubic yards of hydrocarbon stained soil as a result of an upset (over filled) pit tank.  I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
I, R.A. Wirtanen representative for:  (Print Name) Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification) X EXEMPT oilfield waste NON-EXEMPT oilfield waste
I, R.A. Wirtanen representative for:  (Print Name)  Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
(Print Name)  Phillips Petroleum  do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
(Print Name)  Phillips Petroleum  do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
(Print Name)  Phillips Petroleum  do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
(Print Name)  Phillips Petroleum  do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
Phillips Petroleum do hereby certify that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield wasteNON-EXEMPT oilfield waste
that according to the Resource Conservation Act (RCRA) ans Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
Agency's July, 1988, regulatory determination, the above described waste is:  (Check appropriate classification)  X EXEMPT oilfield waste  NON-EXEMPT oilfield waste
(Check appropriate classification)  X EXEMPT oilfield waste NON-EXEMPT oilfield waste
X EXEMPT oilfield waste NON-EXEMPT oilfield waste
which is non-hazardous by characteristic
analysis or by product identification and
that nothing has been added to the exempt
non-hazardous waste defined above.
For EXEMPT waste only, the following For NON-EXEMPT waste only, the following
documentation is attached (check appropriate items)   documentation is attached (check appropriate items)
MSDS Information
NORM Survey TCLP Analysis
TCLP Analysis Chain of Custody
NORM Survey
Other (description)
0111/
Name (Original Signature):
Title: Sr. Safety and Environmental Specialist
Date: April 25, 2000

District 4 - (505) 393-6161 P. O. Sex 1980 Hobbs, NM 88241-1980 Diatri (21 - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 7 Rio Brazos Road

District IV - (505) 827-7131

د.c, NM 87410

### New Mexico Energy Munerals and Natural Resources Department

Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

(505) 827-7131

APR 2 7 2000

Submit Original Plus 1 Copy

Form C-138

Originated 8/8/95

Environmental Bureau Oil Conservation Division Env. JN: 72132 to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt:	4. Generator Ewery Sorvices
Verbal Approval Received: Yes 🔲 No 🖂	5. Originating Site SU FC 33.()
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Talond
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Coloralo > NM
7. Location of Material (Street Address or ULSTR)	Sec 1, TBBN, R 11 W LA Plata Cate Co
<ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept olifield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommon PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>	ompanied by a certification of waste from the ompanied by necessary chemical analysis to not origin. No waste classified hazardous by
Estimated Volume   Estimated Volume   The property of the second state of the second s	APR 2000  RECEIVED OILCON. DIV DIST. 3
SIGNATURE: TITLE: Landfarm M. Weste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	DATE: <u>4⋅≥5⋅00</u> EPHONE NO. 505-632-0615
APPROVED BY: APPRO	moke) Godonit DATE: 4/27/00

District I - (505) 393-6161 P. O. Rox 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Rio Brazos Road

APPROVED BY:

District IV - (505) 827-7131

c, NM 87410-يىر

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: <u>92132</u>

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE			
1. RCRA Exempt: Non-Exempt:	4. Generator Eway y Sorvices			
Verbal Approval Received: Yes 🔲 No 🖂	5. Originating Site SUFC 33.11			
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Palend			
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Colovalo > NAL			
7. Location of Material (Street Address or ULSTR)	Sec 1, TBBN, R 11 W Cor Plata Cata Co			
9. Circle One:				
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul>				
All transporters must certify the wastes delivered are only those consigned for transport.				
Estimated Volume — 500 gal cy Known Volume (to be entered by the operator at the end of the haul) — cy  SIGNATURE: — Waste Management Facility Authorized Agent  TITLE: Landfarm Manager DATE: 4.25.00				
TYPE OR PRINT NAME: Harlan M. Brown TELI	EPHONE NO			
APPROVED BY: Demy Teem TITLE: GEO [6]	DATE: 4/25700			

TITLE:

DATE:



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410. (308) 334-5170 Fax (505)334-5170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: Helliberton Exargy Services	2. Destination Name:		
_	Envirotech Inc.		
4109 E. Main St.	Soil Remediation Remediation Facility		
Farmington, D.M. 87401	Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401		
	Location of the Waste (Street address &/or ULSTR):		
3. Originating Site (name): 33.11 Southern Ute FC Well #1-3	Sec 1, 7334, R11W		
	1 + 01 + 0 + 0		
the Plate Country, Co			
	LA Plata Country, Co (South ann Ute).		
Attach list of originating sites as appropriate	· · · · · · · · · · · · · · · · · · ·		
4. Source and Description of Waste	1		
Line Brank on location; cleanup of stimulation Fluid (0.35% LGC VIII)			
(0.35% LGC VIII)			
·	i		
<b>A</b>			
1. ROBERT SMZTH  (Print Name)  HALLEBURZON ENERGY SENDER	representative for:		
(Print Name)			
HAUTBURTON ENERGY SERVICE	do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July,		
according to the personice Conservation and personer			
1988, regulatory determination, the above described v	waste is: (Check appropriate classification)		
EVERADE SIGNAL SALES BLOKE EVER	IDT allfald was which is an based on by absentaciation		
	IPT oilfield waste which is non-hazardous by characteristic		
anarysis or	by product identification		
and that nothing has been added to the exempt or nor	n-exempt non-hazardous waste defined above.		
and that housing thes seem added to the seempt of hor	, dading the material and a second se		
For NON-EXEMPT waste the following documentar	tion is attached (check appropriate items):		
★ MSDS Information	Other (description):		
RCRA Hazardous Waste Analysis			
Chain of Custody			
This waste is in compliance with Regulated Levels of N	laturally Occurring Radioactive Material (NORM) pursuant		
to 20 NMAC 3.1 subpart 1403.C and D.			
^			
Name (Original Signature): ROSER 1 SWITH			
in the second of			
Title: MSF ADVLSOR			
1101 1101 1101 1101	A STATE OF THE STA		
Date: 03-10-2000			



## SOUTHERN UTE INDIAN TRIBE

April 19, 2000

Robert Smith
Health, Safety and Environmental Advisor
Halliburton Energy Services
4109 East Main Street
P.O. Box 960
Farmington, NM 87499-0960

Re:

Tribal Notification of Transportation of Non-exempt Oil Field Waste 500 gallons of non-exempt, stimulation fluid containing LGC-VIII contaminated soil Halliburton Energy Services, SU FC 33-11 well # 1-3 NESW Sec. 1 T33N R11W

Dear Mr. Smith:

Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transport of soil contaminated with 500 gallons of RCRA non-exempt stimulation fluid containing LGC-VIII from the above referenced site to a land farm in New Mexico. It is our understanding that the contaminated soil will be transported to Envirotech's landfarm in New Mexico.

Certification may be required by the state in New Mexico Oil Conservation Commission (NMOCCD) from your company, the transporter or generator. Transportation of this waste may be subject to other state and federal laws.

Sincerely.

Shan King Brown
Fran King Brown
Division Head

Environmental Programs

Jany Dmoron 320-6495

Quote Number:  Company:  RED WILLOW  Company Rep.: BOB SAGEL  Contractor:  KEY  County:  Coun	l and/W/at	1/27/00 er: LAND
Company: RED WILLOW Lease: SOUTHERN UTE FC 33-11 We	Carlorvat	CI
	ell Number: #	<del>11.3</del>
Contractor: KEV		
Contractor. NET Unit Type: Unit Type:		
Town: County: LA PLATA State:	COLORA	
Round Trip Mileage: API Number: H2S Present? %  Directions	CO2 Present	?%
Urrections .		
	OLLOW RIG SI	GNS TO
Formation Name: FRUITLAND COAL Packer Depth:		
New/Used Weight Connection Grade Size From MD To MD From TVD To TO Casing U 17.00 5.500 0 TD		Comments
	4,250	
Liner Tbg./DP.		Shots / Ft.
Perforations 0.450 3,344 3,421	<del></del>	232 HOLES
Perforations Perforations		LUL MULLU
Perforations Programme Perforations	<del></del>	
Notes:	·	
Surfactant         Gal/Lb         /1000 Surfactant         Gal/Lb           Foarner         Losurf300         Gal/Lb         85         .5-1 /1000 Surfactant         \$\$5021         Gal/Lb           Fluid Loss         Gal/Lb         /1000 Fluid Loss         Gal/Lb           Gelling Agent         LGC-8         Gal/Lb         675         5-6.25 /1000 Gelling Agent         Gal/Lb	1,000 Gall Lb/C Lbs 2	/1000 /1000 /1000 /1000 /1000 /1000 /1000 /1000
Breaker Type         Opti.H.T.E         Gal/Lb         80         .5-1         /1000 Inhibitor         MSA-II         Gal/Lb           CrossLinker         BC-140         Gal/Lb         220         1.75         /1000 Iron Control         Gal/Lb           Fric.Reducer         Gal/Lb         /1000 Iron Control         Gal/Lb           Buffer Type         Gal/Lb         /1000 Buffer Type         Gal/Lb	)	/1000 /1000 /1000
Breaker Type	)	/1000 /1000 /1000
Breaker Type		/1000 /1000 /1000 /1000
Breaker Type         Opti.H.T.E         Gal/Lb         80         .5-1         /1000 Inhibitor         MSA-II         Gal/Lb           CrossLinker         BC-140         Gal/Lb         220         1.75         /1000 Iron Control         Gal/Lb           Fric. Reducer         Gal/Lb         /1000 Iron Control         Gal/Lb           Buffer Type         Gal/Lb         /1000 Buffer Type         Gal/Lb           Biocide         Gal/Lb         /1000 Buffer Type         Gal/Lb           Clay Control         Gal/Lb         /1000 Clay Control         Gal/Lb           Sandwedge         LIQ.COAT         Gal/Lb         600         .2/SK         /1000 Other         Gal/Lb		/1000 /1000 /1000 /1000 /1000
Breaker Type         Opti.H.T.E         Gal/Lb         80         .5-1         /1000 Inhibitor         MSA-II         Gal/Lb           CrossLinker         BC-140         Gal/Lb         220         1.75         /1000 Iron Control         Gal/Lb           Fric. Reducer         Gal/Lb         /1000 Iron Control         Gal/Lb           Buffer Type         Gal/Lb         /1000 Buffer Type         Gal/Lb           Biocide         Gal/Lb         /1000 Buffer Type         Gal/Lb           Clay Control         Gal/Lb         /1000 Clay Control         Gal/Lb           Sandwedge         LiQ.COAT         Gal/Lb         600         .2/SK         /1000 Other         Gal/Lb		/1000 /1000 /1000 /1000
Breaker Type         Opti.H.T.E         Gal/Lb         80         .5-1         /1000 Inhibitor         MSA-II         Gal/Lb           CrossLinker         BC-140         Gal/Lb         220         1.75         /1000 Iron Control         Gal/Lb           Fric. Reducer         Gal/Lb         /1000 Iron Control         Gal/Lb           Buffer Type         Gal/Lb         /1000 Buffer Type         Gal/Lb           Biocide         Gal/Lb         /1000 Buffer Type         Gal/Lb           Clay Control         Gal/Lb         /1000 Clay Control         Gal/Lb           Sandwedge         LIQ.COAT         Gal/Lb         600         2/SK /1000 Other         Gal/Lb           Bindr.         X         WHIT         Iron         X         Mnfld Tr.         X         Frac Van         X           Pre Gel         X         Ann Pmp         Mt. Mov.         X         Size SG         Chem         X           HHP fluid         6,000         Pop Off         Balls         QC         X         Acid V12	H2O Mnfld N2 Pump N2 Pump N2 Trans.	/1000 /1000 /1000 /1000 /1000 X
Breaker Type Opti.H.T.E Gal/Lb 80 5-1 /1000 Inhibitor MSA-II Gal/Lb CrossLinker BC-140 Gal/Lb 220 1.75 /1000 Iron Control Gal/Lb Fric. Reducer Gal/Lb /1000 Iron Control Gal/Lb Buffer Type Gal/Lb /1000 Buffer Type Gal/Lb Gal/Lb /1000 Buffer Type Gal/Lb Gal/Lb /1000 Clay Control Gal/Lb Gal/Lb /1000 Clay Control Gal/Lb	H2O Mnfld N2 Pump N2 Pump N2 Trans	/1000 /1000 /1000 /1000 /1000 X
Breaker Type Opti.H.T.E Gal/Lb 80 .5-1 /1000 Inhibitor MSA-II Gal/Lb CrossLinker BC-140 Gal/Lb 220 1.75 /1000 Iron Control Gal/Lb Fric. Reducer Gal/Lb /1000 Iron Control Gal/Lb Buffer Type Gal/Lb /1000 Buffer Type Gal/Lb Gal/Lb /1000 Buffer Type Gal/Lb Gal/Lb /1000 Clay Control Gal/Lb Gal/Lb /1000 Clay Control Gal/Lb Sandwedge LiQ.COAT Gal/Lb 600 2/SK /1000 Other Gal/Lb Sandwedge LiQ.COAT Gal/Lb 600 2/SK /1000 Other Gal/Lb Bindr. X WHIT Iron X Mnfld Tr. X Frac Van X Pre Gel X Ann Pmp Mt. Mov. X Size SG Chem X HHP fluid 6,000 Pop Off Ball Inj. LGC Trk Acid Tran X Hold Trik. X Pop Off Balls QC X Acid V12	H2O Mnfld N2 Pump N2 Pump N2 Trans	/1000 /1000 /1000 /1000 /1000 X

#### DEPARTMENT OF TRANSPORTATION (DOT)

FOR PN# 516005670

HAZARD GUIDE 27

PAGE

1.

HALLIBURTON SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 02/11/00 REVISED DATE: 08/10/95

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359 EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

#### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

FLAMMABLE/COMBUSTIBLE MATERIAL; MAY BE IGNITED BY HEAT, SPARKS OR FLAMES.

VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.

CONTAINER MAY EXPLODE IN HEAT OF FIRE.

VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS.

RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

#### HEALTH HAZARDS

MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN.

VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION.

CONTACT MAY IRRITATE OR BURN SKIN AND EYES.

FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.

RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

EMERGENCY ACTION

KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS.

POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING WILL PROVIDE LIMITED PROTECTION.

ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN FIRE.

#### FIRE

SMALL FIRES: DRY CHEMICAL, CO2, WATER SPRAY OR REGULAR FOAM.

LARGE FIRES: WATER SPARY, FOG OR REGULAR FOAM.

MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.

APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS.

FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND

LET FIRE BURN.

WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

#### SPILL OR LEAK

SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN HAZARD AREA.

STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

WATER SPRAY MAY REDUCE VAPOR; BUT IT MAY NOT PREVENT IGNITION IN CLOSED SPACES.

SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL.

LARGE SPILLS: DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL.

FIRST AID

MOVE VICTIM TO FRESH AIR AND CALL EMERGENCY MEDICAL CARE; IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION; IF BREATHING IS DIFFICULT,

HAZARD GUIDE: 27 FOR PN# 516005670

PAGE

GIVE OXYGEN.

IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES. WASH SKIN WITH SOAP AND WATER.

REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.

CALL Emergency Response Telephone Number on Shipping Paper "FIRST". If Shipping Paper "NOT AVAILABLE" OR "NO ANSWER", CALL CHEMTREC AT 1-800-424-9300

LGC-VIII CONCENTRATE - BULK

PAGE 1

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES

REVISED DATE 04-07-99

DATE: 02-11-00

DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359 EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

* * * SECTION I - PRODUCT DESCRIPTION * * * * * *

CHEMICAL CODE: LGC-VIII CONCENTRATE - BULK PART NUMBER: 516005670

PKG QTY: CARGO TANK APPLICATION: CONCENTRATE

SERVICE USED: STIMULATION

* * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * *

PERCENT TLV PEL

GUAR GUM 31-60 % 10 MG/M3 15 MG/M3 NOT EST ETHOXYLATED NONYLPHENOL 1-10 % NOT EST

31-60 % NOT EST DIESEL NOT EST

#### PROPERTY MEASUREMENT

APPEARANCE YELLOWISH LIQUID, GEL ODOR DIESEL

SPECIFIC GRAVITY (H2O=1) 1.035

LB/GAL BULK DENSITY 8.62

NOT DETERMINED PH

SOLUBILITY IN WATER AT

20 DEG C. GMS/100ML H20 NIL BIODEGRADABILITY SLOWLY PERCENT VOLATILES 100 EVAPORATION RATE (BUTYL ACETATE=1) <1 VAPOR DENSITY 5-6

VAPOR PRESSURE (MMHG) N/D

BOILING POINT (760 MMHG) 300 F / 148 C

POUR POINT N/DFREEZE POINT N/D

SOLUBILITY IN SEAWATER NOT EVALUATED PARTITION COEF (OCTANOL IN WATER) NOT EVALUATED

* * SECTION IV - FIRE AND EXPLOSION DATA * * * * * *

NFPA(704) RATING:

SPECIAL REACTIVITY HEALTH 1 FLAMMABILITY 2 0 NONE

FLASH POINT 128 F / 53 C FLASH MTHD TCC

ND F / ND C AUTOIGNITION TEMPERATURE

FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED

PN: 516005670 PAGE 2

CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.

* * * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO: NTP, IARC, AND OSHA

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT ESTABLISHED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE .

MAY CAUSE EYE IRRITATION.

SKIN:

FREQUENT OR PROLONGED CONTACT WILL DRY AND DEFAT THE SKIN, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. REPEATED CONTACT MAY SENSITIZE THE SKIN.

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

VAPORS, MIST OR SPRAY MAY CAUSE IRRITATION.

INGESTION:

IRRITATION OF THE MOUTH AND THROAT, ABDOMINAL PAIN, NAUSEA AND VOMITING, DIARRHEA, AND COLLAPSE MAY RESULT FROM INGESTION.

ASPIRATION INTO LUNGS BY INGESTION OR VOMITING, MAY CAUSE CHEMICAL PNEUMONITIS RESULTING IN EDEMA AND HEMORRAGE AND MAY BE FATAL. SYMPTOMS INCLUDE INCREASED RESPIRATORY RATE AND BLUISH DISCOLORATION OF SKIN. COUGHING AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION.

COMMING THE GROUND THE OTTER NOTED IT THE TIME OF THE

CHRONIC EFFECTS:

PROLONGED OR REPEATED APPLICATION OF A SIMILAR PRODUCT TO THE SKIN OF LAB LABORATORY MICE WITHOUT WASHING BETWEEN APPLICATIONS RESULTED IN INCREASED INCIDENCE OF SKIN TUMORS. IT IS SUSPECTED THAT TUMORS MAY BE DUE IN PART TO SEVERELY IRRITATED CONDITIONS FROM CONTINOUS CONTACT WITH THE PRODUCT.

OTHER SYMPTOMS AFFECTED:

BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN:

PROMPTLY WASH SKIN WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL

ATTENTION.

#### INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

#### INGESTION:

DO NOT INDUCE VOMITING! ASPIRATION INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

* * * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

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STABILITY: STABLE CONDITIONS TO AVOID:

HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NITROGEN OXIDES, CARBON DIOXIDE AND/OR CARBON MONOXIDE.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE. REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH A DUST-MIST FILTER.

IN OXYGEN DEFICIENT AREAS OR CONFINED SPACES, POSITIVE PRESSURE SUPPLIED-AIR RESPIRATOR WITH 5-MINUTE AUXILIARY BOTTLE, OR PRESSURE-DEMAND OR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

LOCAL EXHAUST VENTILATION MUST BE DESIGNED FOR COMBUSTIBLE ATMOSPHERES (NEC CLASS II EQUIPMENT).

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM. OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.

COMBUSTIBLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

PN: 516005670 PAGE 4

DOT SHIPPING DESCRIPTION:
DIESEL FUEL SOLUTION - 3 - NA1993 - III

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * * *

EPA SUPERFUND (SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION FIRE: Y PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y CHRONIC (DELAYED): Y MIXTURE OR PURE MATERIAL: MIX

- B. EPA CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
  N/A
- C. EPA SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
  PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS
- D. EPA SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
  COMPONENT NAME CAS-REG-NO PCT
  ETHOXYLATED NONYLPHENOL 9016-45-9 1-10 %
- E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
  TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE DRSM NE
- H. EPA RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY US EPA BECAUSE OF:

IGNITABILITY

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY

SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

02/11/00

SIGNATURE

PAGE 01 OF 01

### HALLIBURTON ENERGY SERVICES - SHIPPING PAPERS FOR

MOVEMENT OF MATERIALS ACCORDING TO FEDERAL REGULATION AS SPECIFIED IN CFR 49, SEC.177.817 AND 176.24

| LOCATION: FARMINGTON N.M.                                                                                                                                                                      |                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
|                                                                                                                                                                                                | FOR EMERGENCY CONTACT:                  |
| TRUCK# OR TRLR# :                                                                                                                                                                              | NAME: PAT KEMPER                        |
|                                                                                                                                                                                                | TELEPHONE: (505) 324-3500               |
| DRIVER:                                                                                                                                                                                        |                                         |
| U.S. DOT HAZMAT REG. NO 060399 011 025H *HM:**********************************                                                                                                                 | ***********                             |
| * * TOT GROSS LBS 5 NUM CONTAINERS:                                                                                                                                                            |                                         |
| * *+++++++++++++++++++++++++++++++++++                                                                                                                                                         | -++++++++++++++++++++++++++++++++++++++ |
| * *HALCO NAME & NO.: LGC-VIII CONCENTRATE - * * GROSS LBS/PKG:                                                                                                                                 | ERG => 27                               |
| **********                                                                                                                                                                                     |                                         |
| **************                                                                                                                                                                                 | ***********                             |
| THIS IS TO CERTIFY THAT THE ABOVE NAMED MATER DESCRIBED, PACKAGED, MARKED AND LABELED, AND TRANSPORTATION ACCORDING TO THE APPLICABLE REFERENCE OF THE APPLICABLE REFERENCE OF TRANSPORTATION. | ARE IN PROPER CONDITION FOR             |

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SAM 632-18105

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| Company:                         |              | RED WILLO   | <u>w</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lea                  | se: SC       | UTHERN                                         | UTE FC      | 33-11             | Well N           | umber:                                   |                           |
| Company Rep                      |              | AGEL        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | M                    | bil: 970     | -749-0473                                      | _ Page      | zr:               |                  | Office:                                  |                           |
| Contractor:                      | NET          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Uni                  | t Numper     | : <u> </u>                                     | Unit        | Туре:             |                  |                                          |                           |
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| Round Trip Mi                    | lleage:      |             | PI Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Santa de la compania |              | H                                              | 2S Prese    | :n(?              | % CI             | 02 Preser                                | nt? 9                     |
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| Legal Descript                   | hon.         | 1-2281      | 11W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      | servoir Pr   | Andries:                                       |             |                   | Current          | roduction                                |                           |
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| Perforations Perforations Notes: |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              |                                                |             | 1                 |                  |                                          |                           |
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| Fluid Types                      | EA           |             | Total Volume                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wat                  |              |                                                | micals T    | eviation:         | <b>1</b> V       | <b>D</b> -                               | to a second of the second |
| 7,0.5                            | 17           | TanksA      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | <del></del>  | -   <u>  -   -   -   -   -   -   -   -   -</u> |             | HP:               |                  |                                          | 125                       |
|                                  |              | Tanks V     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              |                                                | IP          | PM: 60            | PSI 2.7          | 73 May P                                 |                           |
|                                  | <del></del>  | Tanks V     | Ÿ/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | _                    |              |                                                |             | luid BPM:         |                  | scfm                                     | N2 %                      |
|                                  | +            | Tanks V     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +                    |              |                                                |             | 2 VOL             | 112              | JOHN                                     | . 142 /0_                 |
|                                  |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | Die H        |                                                |             |                   |                  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |                           |
| Job Purpose                      |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              | ANDWED                                         | GE          | C SICH CONTRACTOR |                  | HA TO CHART HE HE IN                     |                           |
| Gel System                       | <del></del>  | Vol         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sallons              |              | Acid Syste                                     |             | OMFORMIC VO       | 1                | .000 Ga                                  | Rons                      |
| Treatment                        |              | Density     | լ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | b/Gal                |              | Treatmen                                       |             |                   | nsity            |                                          | /Gal                      |
| Prop. Type                       | BRADY        | Size        | 20/40 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | bs a                 |              | Prop. Typ                                      |             |                   | Size             | Lb                                       |                           |
| Prop. Type                       |              | Size        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | .bs ¯                |              | Prop. Typ                                      |             |                   | Size             | Lb                                       |                           |
| Surfactant                       |              | Gal/Lb      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _                    | /1000        | Surfactant                                     | t -         |                   | Gal/Lb           |                                          | /100                      |
| oamer                            | Losurf30     |             | 85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | .5-                  |              | Surfactant                                     |             |                   | Gal/Lb           | 2                                        | 2 /100                    |
| Fluid Loss                       |              | Gal/Lb      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              | Fluid Loss                                     |             |                   | Gal/Lb           |                                          | /100                      |
| Selling Agent                    | LGC-B        |             | 675                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5-6.                 |              | Gelling Ag                                     |             |                   | Gal/Lb           |                                          | /100                      |
| Breaker Type                     | GBW-30       |             | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |              | Breaker T                                      |             |                   | GaVLb            |                                          | /100                      |
| Breaker Type                     | Opti.H.T.    |             | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      | 1 /1000      |                                                |             |                   | Gal/Lb           | 1                                        | 1 /100                    |
| CrossLinker                      | BC-140       |             | 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |              | Iron Contr                                     |             |                   | Gal/Lb           | <del></del>                              | /100                      |
| ric.Reducer                      |              | Gal/Lb      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              | ron Contr                                      |             |                   | Gal/Lb           |                                          | /100                      |
| Buffer Type                      |              | Gal/Lb      | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                      |              | Buffer Typ                                     |             |                   | Gal/Lb           |                                          | /1000                     |
|                                  |              | _ Gal/Lb    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              | Buffer Typ                                     |             |                   | Gal/Lb           |                                          | /1000                     |
| Biocide                          |              | Gal/Lb      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              | Clay Cont                                      |             |                   | Gal/Lb<br>Gal/Lb |                                          |                           |
| Clay Control                     | LIQ.COA      |             | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2/5                  |              |                                                | - FOR       |                   |                  |                                          | /1000                     |
| andwedge                         |              |             | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | J                    | K /1000      |                                                |             |                   | Gal/Lb           | A 17 2 3                                 | /1000                     |
| Sindr. X                         |              |             | ron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |              | fld Tr.                                        |             | rac Van           |                  | O Mnfld                                  | <u> </u>                  |
| re Gel X                         |              | Pmp         | Mt. Mov                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | '·                   |              | e SG                                           |             | hem               |                  | Pump                                     |                           |
| IHP fluid 6,0                    |              |             | Ball Inj.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |              | C Trk                                          |             | cid Tran          |                  | Pump                                     |                           |
| ioldi TnkX                       | Pop          | Off         | Balls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      | QC           | ;                                              | X A         | cid V12           | N2               | Trans.                                   |                           |
|                                  |              | Pr          | ocealing ar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | alor 1               | rika Par     | y Engile                                       | ent fied    | Ukements          |                  |                                          |                           |
|                                  |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              |                                                |             |                   |                  |                                          |                           |
|                                  |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              |                                                |             |                   |                  |                                          |                           |
| all Taken By:                    | PAT KE       | MPER        | Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ;;<br>               | ls (         | credit OK?                                     |             |                   | ed By:           |                                          |                           |
| iscount% M                       | ileage:      | %           | Service:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                    | 6 Too        | ols:                                           | % A         | greed Price       | :                |                                          |                           |
| rdered By: B                     |              |             | Operato                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | r Calle              | ed:          | <del></del>                                    |             | Time Rea          |                  | M                                        | /C                        |
| laterials From:                  |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | rew F                |              |                                                | <del></del> | -                 | ,                |                                          | ···                       |
| ssociated PSL                    |              |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |              |                                                |             |                   |                  |                                          |                           |

District I - (505) 393-6161 P. O. Box 1980 Hobbs AM 88241-1980 District II - (505) 748-1283 811 S. Sirst Artesia: NM 88210 Pi-trict III - (505) 334-6178

7 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410ء۔۔

New Mexico

Energy Minerals and Natural Resources Legartment EIVED

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 APR 17 2000

Submit Original
Plus 1 Copy
to appropriate
District Office

Form C-138

Originated 8/8/95

Environmental Bureau
Oil Conservation Division

Env. JN: 97057.25

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                          | SOLID WASTE                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                           | 4. Generator EPFS                                                                        |
| Verbal Approval Received: Yes 🔲 No 🛂                                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site Comp. Statter                                                        |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                        | 6. Transporter European                                                                  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                 | 8. State Den Klest co                                                                    |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                       | "E" Soull TZ9N, R9W SJC NW                                                               |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |
| clean up of over flow of oily w                                                                                                                                                                                                                                                                                                                                                         | sastevater toute.                                                                        |
| TCLP Attacked                                                                                                                                                                                                                                                                                                                                                                           | APR 2000 RECEIVED 72 Onlow Day Dist. 3                                                   |
| Estimated Volume cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                              |                                                                                          |
| SIGNATURE: Waste Management Facility Authorized Agent Harlan M. Brown                                                                                                                                                                                                                                                                                                                   | DATE: 4./2.00 505-632-0615                                                               |
| TYPE OR PRINT NAME: TEL                                                                                                                                                                                                                                                                                                                                                                 | EPHONE NO.                                                                               |
| APPROVED BY: APPROVED BY: APPROVED BY: 11TLE: (400/05                                                                                                                                                                                                                                                                                                                                   | 77                                                                                       |
| APPROVED BY: Martine Chila - TITLE: Environ                                                                                                                                                                                                                                                                                                                                             | mate/ 60004il DATE: 4/17/00                                                              |

<u>....</u> - (505) 393-6161 Bax 1980 10bbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

P1-trict III - (505) 334-6178

District IV - (505) 827-7131

Rio Brazos Road

___c NM 87410

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: 97057.25

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                        | SOLID WASTE                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                         | 4. Generator EPFS                          |
| Verbal Approval Received: Yes 🔲 No 🔯                                                                                                                                                                                                                                                                                                  | 5. Originating Site Comp. Station          |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                      | 6. Transporter Excuratech                  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                               | 8. State Den West co                       |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                     | "E" Seell TZ9N, RQW SJC DUC                |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                        |                                            |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompressed by the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul> | ompanied by necessary chemical analysis to |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                           | i for transport.                           |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                        |                                            |
| clean up of over flow of oily w                                                                                                                                                                                                                                                                                                       | saste vater toute.                         |

TCLP AHaded

| Estimated Volume cy Known Volume                          | to be entered by the operator at the end | of the haul) cy |
|-----------------------------------------------------------|------------------------------------------|-----------------|
| SIGNATURE: Law Waste Management Facility Authorized Agent | TITLE: Landfarm Manager                  | DATE: 4./2.00   |
| TYPE OR PRINT NAME: Harlan M. Brown                       | TELEPHONE NO                             | 505-632-0615    |
| (This space for State Use) APPROVED BY: Serry Grant       | TITLE: 60/09/57                          | DATE: 4//3/2000 |
| APPROVED BY:                                              | TITLE:                                   | DATE:           |

### **CERTIFICATE OF WASTE STATUS**

| Generator Name and Address:                                                                           | 2. Destination Name:                                                                                        |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| El Paso Field Services Co.                                                                            | Envirotech Soil Remediation Facility                                                                        |  |  |  |  |  |
| 614 Reilly Avenue                                                                                     | Landfarm #2                                                                                                 |  |  |  |  |  |
| Farmington, NM 87401                                                                                  | Hilltop, New Mexico                                                                                         |  |  |  |  |  |
| 3. Originating Site (name):                                                                           | Location of Waste(Street address &/or ULSTR):                                                               |  |  |  |  |  |
| Manzanares Compressor Station                                                                         | E-16-29N-9W. San Juan Co., NM                                                                               |  |  |  |  |  |
| Attach list of originating sites as appropriate  4. Source and Description of Waste                   |                                                                                                             |  |  |  |  |  |
| Overflow of oily wastewater tank                                                                      |                                                                                                             |  |  |  |  |  |
|                                                                                                       | ·                                                                                                           |  |  |  |  |  |
|                                                                                                       |                                                                                                             |  |  |  |  |  |
| D 11D                                                                                                 |                                                                                                             |  |  |  |  |  |
| I, <u>David Bays</u><br>(Print Name)                                                                  | representative for:                                                                                         |  |  |  |  |  |
| (Fint Name)                                                                                           |                                                                                                             |  |  |  |  |  |
| El Paso Field Services                                                                                | Co. do hereby certify that,                                                                                 |  |  |  |  |  |
| according to the Resource Conservation and Reco<br>1988 regulatory determination, the above described | very Act (RCRA) and Environmental Protection Agency's July, d waste is: (Check appropriate classification)  |  |  |  |  |  |
|                                                                                                       | <b>PN-EXEMPT</b> oilfield waste which is non-hazardous by racteristic analysis or by product identification |  |  |  |  |  |
| and that nothing has been added to the exempt or                                                      | non-hazardous waste defined above.                                                                          |  |  |  |  |  |
| For NON EVEMPT weeks only the following decine                                                        | contation is attached (check appropriate items):                                                            |  |  |  |  |  |
| For NON-EXEMPT waste only, the following docum                                                        | icitation is attached (check appropriate terms).                                                            |  |  |  |  |  |
| MSDS InformationX RCRA Hazardous Waste A Chain of Custody                                             | Other (description) nalysis                                                                                 |  |  |  |  |  |
|                                                                                                       | ^ ^                                                                                                         |  |  |  |  |  |
| Name (Original Signature):                                                                            | 2 Bar                                                                                                       |  |  |  |  |  |
| Title: Principal E                                                                                    | nvironmental Scientist                                                                                      |  |  |  |  |  |
|                                                                                                       |                                                                                                             |  |  |  |  |  |

#### District I - (505) 393-6161 P. O. Box 1940

Hobbs, NM 88241-1980 District II - (505) 748-1283

811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

### State of New Mexico

Energy Minerals and Natural Resources Departments Oil Conservation Division

> 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-141 Originated 2/13/97

Submit 2 Copies to Appropriate District Office in accordance with Rule 116

|                                               |               |                                       | I              | Release Not                                  | ification a       | ind C          | orrectiv                                       | e Ac                                    | tion                |                    |                       |
|-----------------------------------------------|---------------|---------------------------------------|----------------|----------------------------------------------|-------------------|----------------|------------------------------------------------|-----------------------------------------|---------------------|--------------------|-----------------------|
|                                               |               |                                       |                |                                              | OPER              | ATO:           | R                                              |                                         | ☑ Initial           | Report             | ☐ Final Repor         |
| Name<br>El Paso Field<br>Address              | d Services C  | 0.                                    |                |                                              |                   | Conta<br>David |                                                |                                         |                     |                    |                       |
| 614 Reilly A                                  |               | ton, NM 8740                          | 1              |                                              |                   | (505)          | 599-2256                                       |                                         |                     |                    |                       |
| Facility Nam<br>Manzanares                    |               | Station                               |                |                                              |                   |                | ty Type<br>al Gas Compi                        | ressor S                                | tation              |                    |                       |
| Surface Own                                   | er            | ****                                  | · <del> </del> | Mineral Own                                  | er                |                |                                                |                                         | Lease No.           |                    |                       |
|                                               |               |                                       |                | LOC                                          | CATION C          | )F RI          | ELEASE                                         |                                         | <del></del> -       |                    | ···                   |
| Unit Letter<br>E                              | Section<br>16 | Township<br>29N                       | Range<br>9W    | Feet from the                                | North/South       |                | Feet from t                                    |                                         | East/West Line      | County<br>San Juan | n                     |
|                                               |               |                                       |                | NA                                           | TURE OF           | REI            | LEASE                                          |                                         |                     |                    |                       |
| Type of Rele<br>Used lube oil                 |               | wash down wa                          | ter            |                                              |                   |                |                                                | Volum<br>20 bb                          | ne released<br>ls.  |                    | Volume Recovered none |
| Source of Rel                                 |               | flowed onto gr                        | ound           | Date and Hour of Occurrence<br>4/3/00 8:00AM |                   |                | Date and Hour of<br>Discovery<br>4/3/00 8:00AM |                                         |                     |                    |                       |
| Was Immedia                                   | nte Notice Gi | ve? 🗷 Ye                              | S              | □ No                                         | ☐ Not             | Require        | d                                              | If YES, To Whom?<br>NMOCD – Denny Foust |                     |                    |                       |
| By Whom?<br>David Bays                        |               |                                       |                |                                              |                   |                |                                                | Date and Hour<br>4/3/00 9:00AM          |                     |                    |                       |
| Was a Watero                                  | ourse Reach   | ed? 🔲 Ye                              | 5              | ĭ No                                         |                   |                |                                                | If YES, Volume Impacting Watercourse.   |                     |                    |                       |
| Describe Caus                                 | se of Problen | n and Remedia<br>overflowed due<br>n. | Action Take    |                                              | alling onto the o | compress       | sor skids. In                                  | the futu                                | ure the tank will b | e pumped           | out more often        |
| The oily waste                                | ewater draine |                                       | ly 300 feet ac | cross the station ye                         |                   | area off       | f site. The lar                                | ndowne                                  | er was contacted, t | the soil wa        | s excavated and       |
|                                               |               | ns Prevailing (<br>p from recent to   |                | Precipitation, etc                           | .)*               |                | ·                                              |                                         |                     |                    |                       |
| I hereby certif<br>my knowledge<br>Signature: |               | formation given                       | is true and co | Par                                          | of                |                |                                                |                                         |                     | ERVATIC            | N DIVISION            |
| Printed Name:<br>David Bays                   |               | <del>-</del>                          |                | ,                                            |                   |                |                                                |                                         | t Supervisor:       |                    |                       |
| Title:                                        |               |                                       |                |                                              |                   |                |                                                | Approv                                  | val Date:           |                    | Expiration Date:      |

Conditions of Approval:

Attached:

Date:

3/5/00

Phone:

(505) 599-2256

^{*}Attach Additional Sheets If Necessary



### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:

EPFS

Project #:

705725

Sample ID:

Lube Oil Upset

Date Reported:

04-11-00

Lab ID#:

H015

Date Sampled:

04-05-00

Sample Matrix:

Soil

Date Received:

04-05-00

Preservative:

Cool

Date Analyzed:

04-06-00

Condition:

Cool and Intact

Chain of Custody:

7778

**Parameter** 

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

pH = 8.43

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY**:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

**CORROSIVITY:** 

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

L. afence

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

Manzanares Comp. Station.

Analyst

Review



#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

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| Client:            | EPFS           | Project #:          | 705725   |
|--------------------|----------------|---------------------|----------|
| Sample ID:         | Lube Oil Upset | Date Reported:      | 04-10-00 |
| Laboratory Number: | H015           | Date Sampled:       | 04-05-00 |
| Chain of Custody:  | 7778           | Date Received:      | 04-05-00 |
| Sample Matrix:     | TCLP Extract   | Date Extracted:     | 04-06-00 |
| Preservative:      | Cool           | Date Analyzed:      | 04-07-00 |
| Condition:         | Cool & Intact  | Analysis Requested: | TCLP     |

|                      | Concentration | Detection<br>Limit | Regulatory<br>Limits |
|----------------------|---------------|--------------------|----------------------|
| Parameter            | (mg/L)        | (mg/L)             | (mg/L)               |
| Vinyl Chloride       | ND            | 0.0001             | 0.2                  |
| 1,1-Dichloroethene   | ND            | 0.0001             | 0.7                  |
| 2-Butanone (MEK)     | 0.0092        | 0.0001             | 200                  |
| Chloroform           | ND            | 0.0001             | 6.0                  |
| Carbon Tetrachloride | ND            | 0.0001             | 0.5                  |
| Benzene              | 0.0010        | 0.0001             | 0.5                  |
| 1,2-Dichloroethane   | ND            | 0.0001             | 0.5                  |
| Trichloroethene      | ND            | 0.0003             | 0.5                  |
| Tetrachloroethene    | ND            | 0.0005             | 0.7                  |
| Chlorobenzene        | ND            | 0.0003             | 100                  |
| 1,4-Dichlorobenzene  | ND            | 0.0002             | 7.5                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery | -<br>- |
|---------------------------|--------------------|------------------|--------|
|                           | Trifluorotoluene   | 98%              |        |
|                           | Bromofluorobenzene | 99%              |        |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Manzanares Comp. Station.

Analyst L. Que

Phristin M Vatter



#### EPA METHOD 8040 PHENOLS

| Client:            | EPFS           | Project #:          | 705725   |
|--------------------|----------------|---------------------|----------|
| Sample ID:         | Lube Oil Upset | Date Reported:      | 04-12-00 |
| Laboratory Number: | H015           | Date Sampled:       | 04-05-00 |
| Chain of Custody:  | 7778           | Date Received:      | 04-05-00 |
| Sample Matrix:     | TCLP Extract   | Date Extracted:     | 04-06-00 |
| Preservative:      | Cool           | Date Analyzed:      | 04-12-00 |
| Condition:         | Cool & Intact  | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Manzanares Comp. Station.

Analyst



### EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | EPFS            | Project #:          | 705725   |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Lube Oil Upset  | Date Reported:      | 04-12-00 |
| Laboratory Number: | H015            | Date Sampled:       | 04-05-00 |
| Chain of Custody:  | 7778            | Date Received:      | 04-05-00 |
| Sample Matrix:     | TCLP Extract    | Date Extracted:     | 04-06-00 |
| Preservative:      | Cool            | Date Analyzed:      | 04-11-00 |
| Condition:         | Cool and Intact | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |  |
|---------------------------|-----------|------------------|--|
|                           |           |                  |  |

2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Manzanares Comp. Station.

Analyst Legieur

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## EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | EPFS           | Project #:       | 705725      |
|--------------------|----------------|------------------|-------------|
| Sample ID:         | Lube Oil Upset | Date Reported:   | 04-11-00    |
| Laboratory Number: | H015           | Date Sampled:    | 04-05-00    |
| Chain of Custody:  | 7778           | Date Received:   | 04-05-00    |
| Sample Matrix:     | TCLP Extract   | Date Analyzed:   | 04-10-00    |
| Preservative:      | Cool           | Date Extracted:  | 04-06-00    |
| Condition:         | Cool & Intact  | Analysis Needed: | TCLP metals |

| Parameter | Concentration (mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Level<br>(mg/L) |
|-----------|----------------------|-------------------------|-------------------------------|
|           | (5, -/               | (9/2)                   | (mg/L)                        |
| Arsenic   | 0.033                | 0.001                   | 5.0                           |
| Barium    | 1.20                 | 0.001                   | 21                            |
| Cadmium   | 0.019                | 0.001                   | 0.11                          |
| Chromium  | 0.007                | 0.001                   | 0.60                          |
| Lead      | 0.028                | 0.001                   | 0.75                          |
| Mercury   | ND                   | 0.001                   | 0.025                         |
| Selenium  | ND                   | 0.001                   | 5.7                           |
| Silver    | 0.001                | 0.001                   | 0.14                          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Manzanares Comp. Station.

Analyst

Review



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



#### **EPA METHODS 8010/8020** AROMATIC / HALOGENATED **VOLATILE ORGANICS Quality Assurance Report**

| Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: | QA/QC<br>Laboratory Blank<br>04-07-TCLP VOL<br>Water<br>N/A | Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: | N/A<br>04-10-00<br>N/A<br>N/A<br>04-07-00 |
|--------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------|
| Condition:                                                         | N/A                                                         | Analysis Requested:                                                   | TCLP                                      |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria                                                              |                       | Parameter                           | Percent Recovery |
|----------------------------------------------------------------------------------------|-----------------------|-------------------------------------|------------------|
|                                                                                        |                       | Trifluorotoluene                    | 100%             |
|                                                                                        |                       | Bromofluorobenzene                  | 100%             |
| References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Ju |                       | -846, USEPA, July 1992.             |                  |
|                                                                                        | Method 5030, Purge-an | d-Trap, SW-846, USEPA, July 1992.   |                  |
|                                                                                        | Mathed 0040 Halanan   | stad Valatila Organia CW 046 11CEDA | Cast 1004        |

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.

Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992. Note:

QA/QC for sample H015. Comments:



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC        | Project #:          | N/A      |
|--------------------|--------------|---------------------|----------|
| Sample ID:         | Method Blank | Date Reported:      | 04-10-00 |
| Laboratory Number: | 04-06-TV-MB  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 04-07-00 |
| Condition:         | N/A          | Date Extracted:     | 04-06-00 |
|                    |              | Analysis Requested: | TCLP     |

|                      | Concentration | Detection<br>Limit | Regulatory<br>Limits |
|----------------------|---------------|--------------------|----------------------|
| Parameter            | (mg/L)        | (mg/L)             | (mg/L)               |
| Vinyl Chloride       | ND            | 0.0001             | 0.2                  |
| 1,1-Dichloroethene   | ND            | 0.0001             | 0.7                  |
| 2-Butanone (MEK)     | ND            | 0.0001             | 200                  |
| Chloroform           | ND            | 0.0001             | 6.0                  |
| Carbon Tetrachloride | ND            | 0.0001             | 0.5                  |
| Benzene              | ND            | 0.0001             | 0.5                  |
| 1,2-Dichloroethane   | ND            | 0.0001             | 0.5                  |
| Trichloroethene      | ND            | 0.0003             | 0.5                  |
| Tetrachloroethene    | ND            | 0.0005             | 0.7                  |
| Chlorobenzene        | ND            | 0.0003             | 100                  |
| 1,4-Dichlorobenzene  | ND            | 0.0002             | 7.5                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria |                         | Parameter                              | Percent Recovery        |  |
|---------------------------|-------------------------|----------------------------------------|-------------------------|--|
|                           |                         | Trifluorotoluene                       | 99%                     |  |
|                           |                         | Bromofluorobenzene                     | 98%                     |  |
| References:               | Method 1311, Toxicity ( | Characteristic Leaching Procedure, SW- | -846, USEPA, July 1992. |  |
|                           | Mathed 5000 Duran on    | d Trop. SW 946 USEDA July 1002         |                         |  |

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992. Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.

Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample H015.

Alen L. Christin m Date



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 04-10-00 |
| Laboratory Number:  | H015             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 04-07-00 |
| Condition:          | N/A              | Date Extracted: | 04-06-00 |

| •                    |        | Duplicate |           |            |
|----------------------|--------|-----------|-----------|------------|
|                      | Sample | Sample    | Detection |            |
| :                    | Result | Result    | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | 0.0092 | 0.0092    | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND        | 0.0001    | 0.0%       |
| Benzene              | 0.0010 | 0.0010    | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample H015.

Alen C. Que

Mistering Wall



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC        | Project #:      | N/A      |
|---------------------|--------------|-----------------|----------|
| Sample ID:          | Matrix Spike | Date Reported:  | 04-10-00 |
| Laboratory Number:  | H015         | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract | Date Received:  | N/A      |
| Analysis Requested: | TCLP         | Date Analyzed:  | 04-07-00 |
| Condition:          | N/A          | Date Extracted: | 04-06-00 |

|                      | Spiked |        |        |        | SW-846   |         |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
| 4<br>(               | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | 0.0092 | 0.050  | 0.0587 | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | 0.0010 | 0.050  | 0.0508 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |
| 1,4-Dichlorobenzene  | ND     | 0.050  | 0.0494 | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample H015.

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#### EPA METHOD 8040 PHENOLS

#### Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 04-12-00 |
| Laboratory Number: | 04-12-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 04-12-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |                         | Detection       | Regulatory      |
|-----------------------|-------------------------|-----------------|-----------------|
| Parameter             | Concentration<br>(mg/L) | Limit<br>(mg/L) | Limit<br>(mg/L) |
| o-Cresol              | ND                      | 0.020           | 200             |
| p,m-Cresol            | ND                      | 0.040           | 200             |
| 2,4,6-Trichlorophenol | ND                      | 0.020           | 2.0             |
| 2,4,5-Trichlorophenol | ND                      | 0.020           | 400             |
| Pentachlorophenol     | ND                      | 0.020           | 100             |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
| •                     | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample H015.

Allen F. Gerren

Review



### EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 04-12-00 |
| Laboratory Number: | 04-06-TCA-MB  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 04-06-00 |
| Condition:         | Cool & Intact | Date Analyzed:      | 04-12-00 |
| ·                  |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND                      | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample H015.

Analyst



## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client: QA/QC Project #: N/A Sample ID: Matrix Duplicate Date Reported: 04-12-00 Laboratory Number: H015 Date Sampled: N/A Sample Matrix: TCLP Extract Date Received: N/A Preservative: Cool Date Extracted: 04-06-00 Condition: Cool & Intact Date Analyzed: 04-12-00 Analysis Requested: **TCLP** 

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter | Maximum Difference |
|----------------------------|-----------|--------------------|
|                            | 0040.0    | 20.00/             |

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample H015.

Alexan L. Offeran



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 04-12-00 |
| Laboratory Number: | 04-11-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 04-11-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria |                        | Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Percent Recovery           |  |  |
|---------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|
|                           |                        | 2-fluorobiphenyl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 96%                        |  |  |
| References:               | Method 3510, Separato  | cicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Department of the Communication of the Communi |                            |  |  |
| Note:                     | Regulatory Limits base | d on 40 CFR part 261 Subpart C sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tion 261.24, July 1, 1992. |  |  |

Comments: QA/QC for sample H015.

Allen L Ofeen

Misting Maeter Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| Client:            | QA/QC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 04-12-00 |
| Laboratory Number: | 04-06-BN-MB     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 04-06-00 |
| Condition:         | Cool and Intact | Date Analyzed:      | 04-11-00 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

#### 2-fluorobiphenyl

95%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample H015.

Analyst

(Review Malter



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 04-12-00 |
| Laboratory Number: | H015             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 04-06-00 |
| Condition:         | N/A              | Date Analyzed:      | 04-11-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter           | Sample<br>Result<br>(mg/L) | Duplicate<br>Result Percent<br>(mg/L) Difference |      | Det.<br>Limit<br>(mg/L) |  |
|---------------------|----------------------------|--------------------------------------------------|------|-------------------------|--|
| Pyridine            | ND .                       | ND                                               | 0.0% | 0.020                   |  |
| Hexachloroethane    | ND                         | ND                                               | 0.0% | 0.020                   |  |
| Nitrobenzene        | ND                         | ND                                               | 0.0% | 0.020                   |  |
| Hexachlorobutadiene | ND                         | ND                                               | 0.0% | 0.020                   |  |
| 2,4-Dinitrotoluene  | ND                         | ND                                               | 0.0% | 0.020                   |  |
| HexachloroBenzene   | ND                         | ND                                               | 0.0% | 0.020                   |  |

ND - Parameter not detected at the stated detection limit.

| 04/00 4                   | <b>A</b>   | Manager Difference |
|---------------------------|------------|--------------------|
| QA/QC Acceptance Criteria | Parameter  | Maximum Difference |
| , as a acomiconomicona    | i aramoto. | maximum Dinocondo  |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample H015.

Den P. Green

(Review Malte



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 04-10-TCM QA/QC | Date Reported:  | 04-11-00 |
| Laboratory Number:  | H015            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 04-10-00 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate<br>Conc. (mg/L) | Instrument<br>Blank | Method<br>Blank | Detection |       | Duplicate | 9. %<br>Diff: | Acceptance<br>Range |
|-----------------------------------|---------------------|-----------------|-----------|-------|-----------|---------------|---------------------|
| Arsenic                           | ND                  | ND              | 0.001     | 0.033 | 0.032     | 3.0%          | 0% - 30%            |
| Barium                            | ND                  | ND              | 0.001     | 1.20  | 1.18      | 1.7%          | 0% - 30%            |
| Cadmium                           | ND                  | ND              | 0.001     | 0.019 | 0.019     | 0.0%          | 0% - 30%            |
| Chromium                          | ND                  | ND              | 0.001     | 0.007 | 0.007     | 0.0%          | 0% - 30%            |
| Lead                              | ND                  | ND              | 0.001     | 0.028 | 0.028     | 0.0%          | 0% - 30%            |
| Mercury                           | ND                  | ND              | 0.001     | ND    | ND        | 0.0%          | 0% - 30%            |
| Selenium                          | ND                  | ND              | 0.001     | ND .  | ND        | 0.0%          | 0% - 30%            |
| Silver                            | ND                  | ND              | 0.001     | 0.001 | 0.001     | 0.0%          | 0% - 30%            |

| Spike        | 5 Spike | Sample | Spiked | Percent  | Acceptance: |
|--------------|---------|--------|--------|----------|-------------|
| Conc: (mg/L) | Added   |        | Sample | Recovery | Range       |
|              | 0.500   | 0.033  | 0.532  | 99.8%    | 80% - 120%  |
| Arsenic      |         |        |        |          |             |
| Barium       | 0.500   | 1.20   | 1.69   | 99.4%    | 80% - 120%  |
| Cadmium      | 0.500   | 0.019  | 0.518  | 99.8%    | 80% - 120%  |
| Chromium     | 0.500   | 0.007  | 0.507  | 100.0%   | 80% - 120%  |
| Lead         | 0.500   | 0.028  | 0.527  | 99.8%    | 80% - 120%  |
| Mercury      | 0.050   | ND     | 0.049  | 98.0%    | 80% - 120%  |
| Selenium     | 0.500   | ND     | 0.499  | 99.8%    | 80% - 120%  |
| Silver       | 0.500   | 0.001  | 0.500  | 99.8%    | 80% - 120%  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for sample H015.

Analyst

Review

### **CHAIN OF CUSTODY RECORD**

| Client / Project Name        |                |                | Project Location                               |               |                  |                      | ANALYSIS / PARAMETERS |          |            |              |          |          |          |                                       |             |             |             |
|------------------------------|----------------|----------------|------------------------------------------------|---------------|------------------|----------------------|-----------------------|----------|------------|--------------|----------|----------|----------|---------------------------------------|-------------|-------------|-------------|
|                              |                |                | MANZARES Comp Sto                              |               |                  | cier                 |                       |          |            |              |          |          |          |                                       |             |             |             |
| Sampler:  HARLAN M. BROWN    |                |                | Client No. 97057-25                            |               |                  | No. of<br>Containers | よる種                   |          |            |              |          |          | R        | emarks                                | i<br>       |             |             |
| Sample No./ Identification   | Sample<br>Date | Sample<br>Time | Lab Number                                     |               | Sample<br>Matrix |                      | Conte                 | K. 3     |            |              |          |          |          |                                       |             | <del></del> |             |
| Lube Oil Upset               | 0405.00        | 9:20           | 4015                                           |               | Soil             |                      | (                     | /        |            |              |          |          |          |                                       |             |             |             |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          |                                       |             |             |             |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          |                                       |             |             |             |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          |                                       |             |             | <del></del> |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          |                                       |             |             |             |
|                              |                | <del></del>    |                                                |               |                  |                      | -                     |          |            |              |          |          |          |                                       | ·           |             |             |
|                              |                |                |                                                | <del>  </del> |                  |                      |                       |          |            | <u> </u>     |          | -        |          | <u> </u>                              |             |             | <u> </u>    |
|                              |                |                |                                                |               |                  |                      |                       |          |            | <u> </u>     | -        | -        |          |                                       | <del></del> |             | -           |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          |                                       |             |             | <del></del> |
|                              |                |                |                                                |               |                  |                      |                       |          |            |              |          |          |          | · · · · · · · · · · · · · · · · · · · | <del></del> |             |             |
| Relinquished by: (Signatu    | ıre)           | _              |                                                | Date          | Time             | Recei                | ed by:                | (Signatu | ıre)_      |              | <u> </u> | <u> </u> | <u> </u> |                                       | <br>Date    | T           | ime         |
| Harbon Brown                 |                |                | 04.0500                                        | 10:55         | 1                | Hen                  |                       | P.       | Cer        | Lui          |          |          | 4:       | -00                                   | 10          | 18          |             |
| Relinquished by: (Signature) |                |                |                                                |               | Recei            | ved by:              | (Signatu              | ıre)     | ı          |              |          |          |          |                                       |             |             |             |
| Relinquished by: (Signature) |                |                |                                                |               | Recei            | ved by:              | Signatu               | ire)     |            |              |          |          |          |                                       |             |             |             |
|                              |                |                | <del> </del>                                   | FOV           |                  | TE/                  | <u>~</u> ⊔            | 104      | <u> </u>   | <del> </del> |          |          |          | Sample R                              | eceint      | <u> </u>    |             |
|                              |                |                | ,                                              | ENY           | KU               |                      |                       |          | <b>_</b> . |              |          |          |          | - Campio I                            | Y           | N           | NA          |
|                              |                |                | ·                                              |               | 796 U.S          | . High               | •                     |          | f          |              |          |          | Rece     | eived Intact                          | <u>'</u>    |             | 100         |
|                              |                |                | Farmington, New Mexico 87401<br>(505) 632-0615 |               |                  |                      |                       |          | Cool -     | Ice/Blue Ice | ۷        | -        |          |                                       |             |             |             |

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NMI 88241-1980 District II - (505) 748-1283 811 S. First

D'-trict III - (505) 334-6178

District IV - (505) 827-7131

7 Rio Brazos Road

Artesia, NM 88210

_..c, NM 87410

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

DATE: 3/31/00

Env. JN: 92132-07

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                            |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|--|--|
| 1. RCRA Exempt: Non-Exempt: O ic to Half for Approximate                                                                                                                                                                                                                                                                                                                                                                       | 4. Generator Edeogy Sorvices                                                           |  |  |  |
| Verbal Approval Received: Yes 🔲 No 🔀                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Hair Yard                                                          |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Environment                                                             |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                        | 8. State New Mayor co                                                                  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                              | 4109 E. Main<br>Farmington, DM 87401                                                   |  |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                                                      |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accordenerator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordened provided in the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | mpanied by necessary chemical analysis to not origin. No waste classified hazardous by |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Clean p of LGC VIII Concentrate reliensed as relief Vendelis  Guar gum product pretivates to golden to contest w/ storm  water one powerest and in 2nd content.  MSDS Attached.  MAR 2000  PECEIVED OIL CON. DIV DIST. 3                                                                                                                                                                       |                                                                                        |  |  |  |
| Estimated Volume 4600 gel. cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                           | rator at the end of the haul) 6 43 66 cy                                               |  |  |  |
| SIGNATURE: Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE                                                                                                                                                                                                                                                                                                                               | DATE: 03 · 27 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 ·                                    |  |  |  |
| (This space for State Use)  APPROVED BY: Sent TITLE: GEOLOG                                                                                                                                                                                                                                                                                                                                                                    | DATE: 3/28/00                                                                          |  |  |  |

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address: NALLIBURTON ENERGY SERVICES 4109 E MAIN ST. FARMINGTON N.M. 87410         | 2. Destination Name:  Envirotech Inc.  Soil Remediation Remediation Facility  Landfarm #2, Hilltop, New Mexico  5796 US Hwy 64, Farmington, NM 87401                                                           |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. Originating Site (name):                                                                              | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                             |
| MAZNST. FACELETY                                                                                         |                                                                                                                                                                                                                |
| Attach list of originating sites as appropriate  4. Source and Description of Waste                      |                                                                                                                                                                                                                |
| UANDERSEM LGC-8 TANK                                                                                     | 600 gals of diesel bused                                                                                                                                                                                       |
|                                                                                                          | gelling agent. W87 3/28/00                                                                                                                                                                                     |
|                                                                                                          |                                                                                                                                                                                                                |
|                                                                                                          |                                                                                                                                                                                                                |
| ROBERT SMITH (Print Name)                                                                                | representative for:                                                                                                                                                                                            |
| 1988, regulatory determination, the above described EXEMPT oilfield waste                                | covery Act (RCRA) and Environmental Protection Agency's July, bed waste is: (Check appropriate classification)  EXEMPT oilfield waste which is non-hazardous by characteristic is or by product identification |
| and that nothing has been added to the exempt o                                                          | r non-exempt non-hazardous waste defined above.                                                                                                                                                                |
| For NON-EXEMPT waste the following docum                                                                 | Other (description):                                                                                                                                                                                           |
| RCRA Hazardous Waste Analysi Chain of Custody                                                            | S                                                                                                                                                                                                              |
| Chain of Custody  This waste is in compliance with Regulated Levels                                      | s of Naturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                  |
| Chain of Custody  This waste is in compliance with Regulated Levels to 20 NMAC 3.1 subpart 1403.C and D. | of Naturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                    |
| RCRA Hazardous Waste Analysi<br>Chain of Custody                                                         | s of Naturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                  |

LGC-VIII CONCENTRATE - BULK

PAGE 1

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES DUNCAN, OKLAHOMA 73536

DATE: 03-23-00 REVISED DATE 04-07-99

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

* * * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * *

CHEMICAL CODE: LGC-VIII CONCENTRATE - BULK PART NUMBER: 516005670

PKG QTY: CARGO TANK APPLICATION: CONCENTRATE

SERVICE USED: STIMULATION

* * * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT++++++++++PERCENT TLVPEL

GUAR GUM 4000 16. 31-60 % 10 MG/M3 15 MG/M3 ETHOXYLATED NONYLPHENOL 1-10 % NOT EST NOT EST

NOT EST

PROPERTY MEASUREMENT

APPEARANCE YELLOWISH LIQUID, GEL ODOR DIESEL

SPECIFIC GRAVITY (H2O=1) 1.035

BULK DENSITY 8.62 LB/GAL NOT DETERMINED

SOLUBILITY IN WATER AT

20 DEG C. GMS/100ML H20 NILBIODEGRADABILITY SLOWLY PERCENT VOLATILES 100 <1 EVAPORATION RATE (BUTYL ACETATE=1) VAPOR DENSITY 5-6

N/D VAPOR PRESSURE (MMHG)

300 F / 148 C BOILING POINT (760 MMHG)

POUR POINT N/DFREEZE POINT N/D

SOLUBILITY IN SEAWATER NOT EVALUATED PARTITION COEF (OCTANOL IN WATER) NOT EVALUATED

* * * SECTION IV - FIRE AND EXPLOSION DATA * * * *

NFPA(704) RATING:

REACTIVITY 0 SPECIAL NONE HEALTH 1 FLAMMABILITY

128 F / 53 C FLASH MTHD TCC FLASH POINT

ND F / C AUTOIGNITION TEMPERATURE ND

FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED

PN: 516005670 PAGE

CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO: NTP, IARC, AND OSHA

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT ESTABLISHED

------ EFFECTS OF EXPOSURE ------

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE.

MAY CAUSE EYE IRRITATION.

SKIN:

FREQUENT OR PROLONGED CONTACT WILL DRY AND DEFAT THE SKIN, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. REPEATED CONTACT MAY SENSITIZE THE SKIN.

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

VAPORS, MIST OR SPRAY MAY CAUSE IRRITATION.

INGESTION:

IRRITATION OF THE MOUTH AND THROAT, ABDOMINAL PAIN, NAUSEA AND VOMITING, DIARRHEA, AND COLLAPSE MAY RESULT FROM INGESTION.

ASPIRATION INTO LUNGS BY INGESTION OR VOMITING, MAY CAUSE CHEMICAL PNEUMONITIS RESULTING IN EDEMA AND HEMORRAGE AND MAY BE FATAL. SYMPTOMS INCLUDE INCREASED RESPIRATORY RATE AND BLUISH DISCOLORATION OF SKIN. COUGHING AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION.

CHRONIC EFFECTS:

PROLONGED OR REPEATED APPLICATION OF A SIMILAR PRODUCT TO THE SKIN OF LAB LABORATORY MICE WITHOUT WASHING BETWEEN APPLICATIONS RESULTED IN INCREASED INCIDENCE OF SKIN TUMORS. IT IS SUSPECTED THAT TUMORS MAY BE DUE IN PART TO SEVERELY IRRITATED CONDITIONS FROM CONTINOUS CONTACT WITH THE PRODUCT.

OTHER SYMPTOMS AFFECTED:

BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN:

PROMPTLY WASH SKIN WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL

ATTENTION.

#### INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

#### INGESTION:

DO NOT INDUCE VOMITING! ASPIRATION INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

PN: 516005670 PAGE 3

STABILITY: STABLE CONDITIONS TO AVOID:

HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NITROGEN OXIDES, CARBON DIOXIDE AND/OR CARBON MONOXIDE.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE. REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH A DUST-MIST FILTER.

IN OXYGEN DEFICIENT AREAS OR CONFINED SPACES, POSITIVE PRESSURE SUPPLIED-AIR RESPIRATOR WITH 5-MINUTE AUXILIARY BOTTLE, OR PRESSURE-DEMAND OR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

LOCAL EXHAUST VENTILATION MUST BE DESIGNED FOR COMBUSTIBLE ATMOSPHERES (NEC CLASS II EQUIPMENT).

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM. OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM. COMBUSTIBLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

PN: 516005670 PAGE 4

DOT SHIPPING DESCRIPTION:

DIESEL FUEL SOLUTION - 3 - NA1993 - III

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION FIRE: Y PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y CHRONIC (DELAYED): Y MIXTURE OR PURE MATERIAL: MIX

- B. EPA CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
  N/A
- C. EPA SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
  PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS
- D. EPA SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
  COMPONENT NAME CAS-REG-NO PCT
  ETHOXYLATED NONYLPHENOL 9016-45-9 1-10 %
- E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
  TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE DRSM NE
- H. EPA RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY US EPA BECAUSE OF:

IGNITABILITY

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY

District 1 (505) 393-6161 P. O. Box 1980 Hobos, NM 88241-1980 District II - (505) 748-1283 811 5. First, Artesia, NM 88210

Rio Brazos Road

District IV - (505) 827-7131

مــنc، NM 87410

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 92142

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                     | SOLID WASTE                                                                              |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--|--|--|
| 1. RCRA Exempt: Non-Exempt: Downs Found.                                                                                                                                                                                                                                                                                                                                                                           | 4. Generator PESCO                                                                       |  |  |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                               | 5. Originating Site MAi ン YARED                                                          |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                   | 6. Transporter Easting teach                                                             |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                            | 8. State New Marcico                                                                     |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                  | 5680 US. HWY 64                                                                          |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                     | Farmington, NM 87401                                                                     |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accordenator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenated the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | empanied by necessary chemical analysis to n of origin. No waste classified hazardous by |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Solids generated during cleaning & refunding oil & product on equipment in cleaning storage touton separators, daluge and of the product on equipment.  Nor ms around 30.5.5 & House of MAR 2000  RECEIVED COMM. DIV  DISTRICT OF MATERIAL:  SIGNATURE: Hersen Brown  Brown  Brown  SON-632-0615                                                                                   |                                                                                          |  |  |  |
| TYPE ON PRINT NAME.                                                                                                                                                                                                                                                                                                                                                                                                | EPHONE NO.                                                                               |  |  |  |
| APPROVED BY: Charle Term TITLE: DePoty Ins                                                                                                                                                                                                                                                                                                                                                                         | , ,                                                                                      |  |  |  |

Jn: 92142

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Add                                                              |                                                                                             |                                                                                                               |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                                                        | dress: 2. De                                                                                | atination Name:                                                                                               |
| PESCO                                                                                  | Fa                                                                                          | rirotech Soil Remediation Facility                                                                            |
| 5680 Highway 64                                                                        | · · · · · · · · · · · · · · · · · · ·                                                       | dfarm #2                                                                                                      |
| Farmington, New Me                                                                     | XICU 0/401 1                                                                                | ltop, New Mexico                                                                                              |
| 3. Originating Site (name): Process Equipment 8 5680 US Highway 64                     | Location Service Company                                                                    | on of the Waste (Street address &/or ULSTR): dainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes. |
| Farmington, New Mex                                                                    |                                                                                             |                                                                                                               |
| Attach list of originating sites 4. Source and Description or                          |                                                                                             |                                                                                                               |
| separators, denydra                                                                    | tors, and other production                                                                  | n equipment.                                                                                                  |
| Gary Howe                                                                              |                                                                                             | representative for:                                                                                           |
|                                                                                        | (Print Name)                                                                                |                                                                                                               |
| cording to the Resource Co                                                             | nd Service Company, Inc.  onservation and Recovery Act (R  n, the above described waste is: | do hereby certify that CRA) and Environmental Protection Agency's July (Check appropriate classification)     |
| EXEMPT oilfield waste                                                                  | NON-EXEMPT oilfiel analysis or by produ                                                     | d waste which is non-hazardous by characteristic ct identification                                            |
|                                                                                        |                                                                                             |                                                                                                               |
| d that nothing has been add                                                            | ed to the exempt or non-exempt                                                              | non-hazardous waste defined above.                                                                            |
| or NON-EXEMPT waste or MSDS Inform                                                     | nly the following documentation nation lous Waste Analysis                                  | non-hazardous waste defined above. is attached (check appropriate items): Other (description):                |
| or NON-EXEMPT waste or MSDS Inform RCRA Hazard Chain of Custome (Original Signature):  | nly the following documentation nation lous Waste Analysis                                  | is attached (check appropriate items):                                                                        |
| or NON-EXEMPT waste or MSDS Inform RCRA Hazard Chain of Custome (Original Signature):  | nly the following documentation<br>nation<br>lous Waste Analysis<br>tody                    | is attached (check appropriate items):                                                                        |
| or NON-EXEMPT waste or MSDS Inform RCRA Hazard Chain of Customer (Original Signature): | nly the following documentation<br>nation<br>lous Waste Analysis<br>tody                    | is attached (check appropriate items):                                                                        |



### Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. BOX 929 • 87499 FARMINGTON, NEW MEXICO PHONE: (505) 327-2222 • FAX: (505) 327-7550

#### NORM SURVEY DATA SHEET

| Facility / location: PESCO                                               | Date: 3-24-00           |
|--------------------------------------------------------------------------|-------------------------|
| Meter Model: DOSIMETER 3007A Seria                                       | al No: 9808-238         |
| Detector Model: DOSIMETER 3012 Seria                                     | ıl No: 201-887-7100     |
| Calibration Date: 4-5-99                                                 | •                       |
| Battery Check: (大)                                                       |                         |
| Background Radiation Level: <u>0.03</u> mR/hr                            | <b>%</b>                |
| Description of material surveyed: Solid WASTE From Oil                   | FIELD TANKS AND VESSELS |
| Item / Mate                                                              | erial Surveyed:         |
| Waste Material:approx. gals Equipment: Manufacturer:                     | mR/hr: 0-03             |
| Serial No:                                                               | <del></del>             |
| Description:                                                             | <del></del>             |
| Job No:                                                                  | <del></del>             |
| Comments: 19 CONTAINERS                                                  |                         |
| Survey Conducted by: GARY W How E  (Print Name)  Lay W Have  (Signature) |                         |

District I - (505) 393-6161
P. C. Box 1980
Hot As, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
Pi-trict III - (505) 334-6178
P Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 مدر

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                             | SOLID WASTE                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                | 4. Generator Thillips Patrolom                                                           |
| Verbal Approval Received: Yes 🔲 No 🗵                                                                                                                                                                                                                                                                                                                                                                                       | 5. Originating Site Stans Many                                                           |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                           | 6. Transporter Benella                                                                   |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                    | 8. State 1 10-1011 10-1011                                                               |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                             | "G" Sec33 T30N RGW Ris Heriba Condy, NM.                                                 |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommon PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                          |
| Clean up of diesel leaks at a fuel (MSDS).  (MSDS).  Estimated Volume — cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                         | MAR 2000 RECEIVED CHOOL CON. DIV. DIST. 3                                                |
| SIGNATURE: TITLE: Landfarm M: Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: TELI                                                                                                                                                                                                                                                                                                                          | DATE: 03.16.00 EPHONE NO. 505-632-0615                                                   |
| APPROVED BY: Monthson A Rule TITLE: Geol                                                                                                                                                                                                                                                                                                                                                                                   | DATE: 3/20/2001                                                                          |

District I - (505) 393-6161

→ O. Box 1980

Hobbs, NM 88241-1980

District II - (505) 748-1283
811 S. First

Artesia, NM 88210

11-trict III - (505) 334-6178

District IV - (505) 827-7131

Rio Erazos Road

APPROVED BY:

c, NM 87410 مدرد

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                | SOLID WASTE                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                   | 4. Generator Thillips Potrolom                                                           |
| Verbal Approval Received: Yes 🔲 No 🔼                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Kar Ewanga                                                           |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                              | 6. Transporter Barella                                                                   |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                       | 8. State 12 - 4(-101:00                                                                  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                             | "6" Soc33 TBON RGW RIO MORIBA CONTROL NA                                                 |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                | Rio woriba Condy, NM                                                                     |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accordenerator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordened provided in the provided and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                |                                                                                          |
| Clean up of diesel leaks at a fuel (MSDS).                                                                                                                                                                                                                                                                                                                                                                    | Storage took (AST)                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                               | 13 TA 15 16 17 78 78 78                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                               | MAR 2000 RECEIVED OIL CON DIV DIST. 3                                                    |
| Estimated Volume ————————————————————————————————————                                                                                                                                                                                                                                                                                                                                                         | rator at the end of the haul) cy                                                         |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE                                                                                                                                                                                                                                                                                   | DATE: 03.16.00  EPHONE NO. 505-632-0615                                                  |
| (This space for State Use)  APPROVED BY: Deny G. Fent TITLE: G. CO log                                                                                                                                                                                                                                                                                                                                        | DATE: 3/20/2000                                                                          |

TITLE:

DATE:_

Received to the

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address.             | 2. Destination Name.                                                  |
|--------------------------------------------|-----------------------------------------------------------------------|
| Key Energy Services, Inc.                  | Envirotech Inc.                                                       |
| Four Corners Division                      | Soil Remediation Remediation Facility                                 |
| 5651 US Highway 64                         | Landfarm #2, Hilltop, New Mexico                                      |
| Farmington NM, 84701                       | 5796 US Hwy. 64, Farmington, NM 87401                                 |
| 3. Originating Site: (name):               | Location of the Waste (Street Address &/or ULSTR)                     |
| Key Energy Service                         |                                                                       |
| Sim Mesa Yard,                             |                                                                       |
| New Mexico                                 | 36 46.35N 107 28.09W                                                  |
| (Attach list of origination sites as appro | opriata)                                                              |
| 4. Source and Description of Waste         |                                                                       |
|                                            | oill inside of our yard. A tank that was leased to Phillips Petroleum |
| · · · · · · · · · · · · · · · · · · ·      | of days. Key provided supervision on the clean up by Envirotech.      |
|                                            | · · · · · · · · · · · · · · · · · · ·                                 |
|                                            |                                                                       |
|                                            |                                                                       |
|                                            |                                                                       |
|                                            | Energy Services, Four Corners Division do hereby certify that,        |
|                                            | on and Recovery Act (RECA) and Environmental Protection               |
| Agency's July 1988, regulatory determ      | ination, the above described waste is:                                |
| (Check appropriate classification)         |                                                                       |
|                                            |                                                                       |
| <b>EXEMPT</b> oilfield waste               | X NON-EXEMPT oilfield waste which is non-hazardous                    |
| <del></del>                                | by characteristic analysis or by product identification.              |
|                                            |                                                                       |
|                                            |                                                                       |
| and that nothing has been added to the     | e exempt or non-exempt non-hazardous waste defined above.             |
| For NON-EXEMPT waste only the follo        | owing documentation is attached (check appropriate items):            |
| X MSDS Information                         | Other (description):                                                  |
| RCRA Hazardous Wa                          |                                                                       |
| Chain of Custody                           | _                                                                     |
| · · · · · · · · · · · · · · · · · · ·      |                                                                       |
|                                            |                                                                       |
| / /                                        | Chat II I I I                                                         |
| Name (Original Signature):                 | John Jem                                                              |
|                                            |                                                                       |
| Title: Farmingto                           | n Shop Manager                                                        |
| D-1                                        | 0000                                                                  |
| Date: March 13,                            | 2000                                                                  |
|                                            |                                                                       |



March 14, 2000

Key Energy Services Attn: Bob James P.O. Box 900 Farmington, New Mexico 87499

505-327-4935

Fax 505-327-4962

Re:

Diesel spill cleanup at Key Energy's Simms Mesa Yard

Dear Bob:

The following is a summary of cleanup activities conducted by Envirotech personnel at the Simms Mesa yard. In response to a release of diesel at two locations on the site Envirotech provided laborers (2), a backhoe, and dump truck to clean up diesel contaminated soil related to a leak at an aboveground storage tank located at the site. The two releases were approximately the same size (see attached figure). Soil was excavated to depths of 4" to 8" depending on odors observed in the soil. No soil samples were collected to confirm clean closure. Approximately 4 cubic yards of soil was removed during the cleanup. Clean soil for backfill of the excavated areas was obtained from a designated location within the fenced compound.

Diesel contaminated soil was transported to Envirotech's Soil Remediation Facility, Landfarm #2 for remediation. Profile of the soil is based on information obtained from Material Safety Data Sheets for the product.

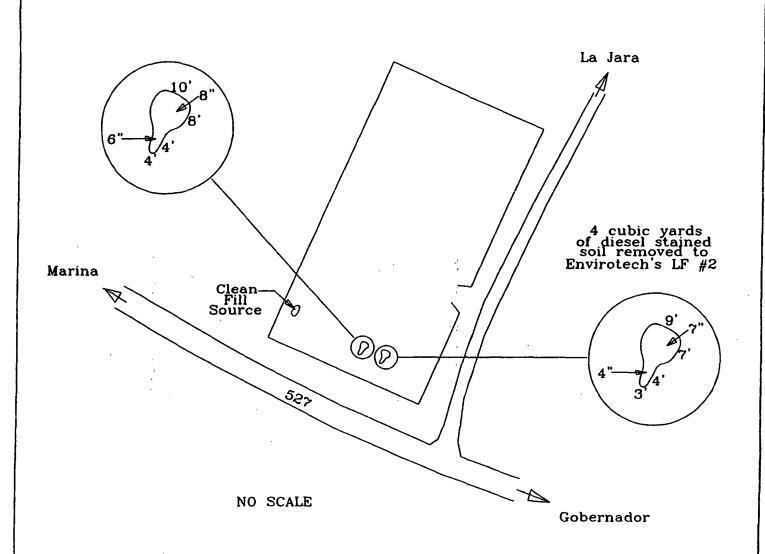
If you have questions or comments regarding this cleanup please feel free to contact us at 505-632-0615.

Sincerely,

Envirotech Inc.

Sam Ray Jr.

Construction Superinténtdent



All angles, directions, and distances determined by sighting and pacing from existing site features. Accuracy of measurementis implied only to the degree of accuracy of method.

Key Energy
Simms Mesa Yard
Diesel Fuel Spill
Compressor Location
"G", Sec. 33, T30N, R6W
Rio Arriba, County, NM
Project No.: 97070

Envirotech Inc

Environmental Scientists & Engineers 5796 US Highway 64 Farmington, New Mexico

Site Map

Figure 1 | Date: 03/00

DRW: HMB PRJ MGR: SR Jr.





**GASC0220** 

Revised 10-JAN-1994

Printed 5-APR-1994

### No. 2 Diesel Fuel

#### CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

CAS Number

68476-34-6

# Tradenames and Synonyms

Diesel Fuel No. 2, Low Sulfur Diesel Fuel No. 2, High Sulfur

3502, 3504, 3510, 3512, 4152

Company Identification

MANUFACTURER/DISTRIBUTOR

CONOCO INC. P.O. BOX 2197 HOUSTON, TX 77252

**PHONE NUMBERS** 

Product Information

Transport Emergency

1-713-293-5550 CHEMTREC 1-800-424-9300

Medical Emergency

1-800-441-3637

#### COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material

CAS Number

Diesel Fuel, No. 2

68476-34-6 100

#### HAZARDS IDENTIFICATION

Potential Health Effects

Primary Routes of Exposure/Entry: Skin, Inhalation.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure: The product may cause irritation to the eyes, lungs, and

skin after prolonged or repeated exposure. Extreme

#### HAZARDS IDENTIFICATION(Continued)

overexposure or aspiration into the lungs may cause lung damage and death. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater exposure may cause dizziness, slurred speech, flushed face, unconsciousness, and convulsions.

It is highly unlikely that human exposure at or below the recommended exposure level poses a significant health hazard. In this regard, good workplace practices and proper engineering designs will minimize exposure.

**Decomposition Products:** 

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lung and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.

Carbon monoxide is a gas that can result from incomplete combustion of hydrocarbons, from detoxification of some chemicals like methylene chloride, tobacco smoke, and even from natural body processes. Carbon monoxide binds tightly to hemoglobin and interferes with oxygen transport to body tissues. Overexposure can cause headache, nausea, nervous system depression, coma, and death.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

#### FIRST AID MEASURES

#### First Aid INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

#### FIRST AID MEASURES(Continued)

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

#### FIRE FIGHTING MEASURES

Flammable Properties

Flash Point 130 F (54 C)

Method - TCC

Flammable limits in Air, % by Volume

LEL 0.4 UEL 6

Autoignition 494 F (257 C)

Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

NFPA Classification

Class II Combustible Liquid.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Special Fire Fighting Procedures: Use water to keep fire-exposed containers cool. If leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures.

Unusual Fire and Explosion Hazards: Products of combustion may contain carbon monoxide, carbon dioxide and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

#### ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Remove source of heat, sparks, flame, impact, friction and electricity including internal combustion engines and power tools. If equipment is used for spill cleanup, it must be explosion proof and suitable for flammable liquid and vapor.

#### ACCIDENTAL RELEASE MEASURES(Continued)

NOTE: Vapors released from the spill may create an explosive atmosphere.

#### Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

#### Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

#### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Wash thoroughly after handling. Wash clothing after use.

#### Handling (Physical Aspects)

Ground container when pouring. Keep away from heat, sparks and flames.

#### Storage

Store in a well ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations. Store away from heat, sparks and flames, oxidizers.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Engineering Controls**

Use only with adequate ventilation. Keep container tightly closed.

#### Personal Protective Equipment

Respiratory Protection: Select appropriate NIOSH-approved respiratory protection when needed to avoid inhalation of mist or vapors and to maintain exposures below acceptable limits.

Protective Gloves: Impervious gloves, such as neoprene or NBR, should be worn when the potential exists for prolonged or repeated skin exposure.

Eye Protection: Safety glasses with side shields. Chemical goggles required when exposed to spray or mist or if splashing is probable.

Other Protective Equipment: Coveralls if splashing is probable. Launder contaminated clothing before reuse.

## Exposure Guidelines Exposure Limits

No. 2 Diesel Fuel

PEL (OSHA)

TLV (ACGIH)

None Established None Established

#### PHYSICAL AND CHEMICAL PROPERTIES

# Physical Data

Boiling Point 350-690 F (177-366 C) Vapor Pressure 1 mm Hg @ 68 F (20 C)

Vapor Density >1 (Air = 1)
% Volatiles (by volume) Nil

Solubility in Water Insoluble Odor Aromatic Form Liquid Color

Specific Gravity 0.84-0.88 @ 60 F (16 C) )

*Color : High Sulfur - Green

Low Sulfur - Red or Undyed (Clear or Straw-Colored)

#### STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Avoid heat, sparks, and flame.

Incompatibility with Other Materials

Incompatible or can react with strong oxidizers.

Decomposition

Incomplete combustion may produce carbon monoxide.

Polymerization

Polymerization will not occur.

#### TOXICOLOGICAL INFORMATION

#### Animal Data

Animal studies have shown that prolonged or repeated inhalation exposures to high concentrations of some petroleum distillates have caused liver tumors in mice and kidney damage and tumors in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Present studies indicate the kidney effects will only occur in male rats. Also, human studies do not indicate this peculiar sensitivity for kidney damage and studies reported in 1992 showed that this particular type of rat kidney damage is not useful in predicting a human health hazard. The significance of liver tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

Mouse skin painting studies have shown that petroleum middle distillates (boiling range 100-700 F; naphtha, jet fuel, diesel fuel, kerosene, etc.) can cause skin cancer when repeatedly applied and never washed from the animal's skin. The relative

#### TOXICOLOGICAL INFORMATION(Continued)

significance of this to human health is uncertain since the petroleum distillates were not washed from the skin and resulting skin effects (irritation, cell damage, etc.) may play a role in the tumorigenic response. A few studies have shown that washing the animal's skin with soap and water between treatements greatly reduces the carcinogenic effect of some petroleum oils.

Diesel Fuel -

Skin : Extremely irritating; no mortality at 5 ml/kg

in rabbits

: LD50 of 9 ml/kg in rats Oral

#### DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

By itself, the liquid is expected to be a RCRA ignitable hazardous waste.

#### TRANSPORTATION INFORMATION

Shipping Information INTERNATIONAL HM-181

Proper Shipping Name Hazard Class Gas Oil 3 UN/NA Number UN 1202

Packing Group III

Label Flammable liquid

Placard Flammable

DOMESTIC HM-181

Proper Shipping Name Diesel fuel

Hazard Class Combustible liquid

UN/NA Number NA 1993 III Packing Group None Label

Placard Combustible

If shipped by vessel or air, use international description. Special Information

#### REGULATORY INFORMATION

#### U.S. Federal Regulations

OSHA HAZARD DĚTERMINATION

This material is hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

#### **CERCLA/SUPERFUND**

Not applicable; this material is covered by the CERCLA petroleum exclusion. Releases are not reportable.

SARA, TITLE III, 302/304

This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes Chronic : Yes Fire : Yes Reactivity : No Pressure : No

#### SARA, TITLE III, 313

This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements.

#### **TSCA**

This material is in the TSCA Inventory of Chemical Substances (40 CFR 710) and/or is otherwise in compliance with TSCA.

#### **RCRA**

This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations. It could become a hazardous waste if it is mixed with, or comes in contact with, a listed hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262-266 and 268 may apply.

#### CLEAN WATER ACT

The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802).

Ingredient(s)
Reportable Quantity

Petroleum Hydrocarbons Film or sheen upon, or discoloration of, any water surface.

#### State Regulations (U.S.)

CALIFORNIA "PROP 65"

This material is not known to contain any ingredient(s) subject to the Act.

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT
This material contains the following ingredient(s) subject to the

#### REGULATORY INFORMATION(Continued)

Pennsylvania Worker and Community Right to Know Hazardous Substances List.

Ingredient Category

Diesel Fuel Oil Hazardous Substance

#### Canadian Regulations

CLASS B Division 3 - Combustible Liquid.

CLASS D Division 2 Subdivision B - Toxic Material. Chronic Toxic Effects.

Transport/Medical Emergency Phone Number: 1-613-348-3616

#### OTHER INFORMATION 5

| NFPA Rating            | <b>f</b> ₀ |     |
|------------------------|-----------------------|-----|
| Health<br>Flammability | · ,                   | . 0 |
| Reactivity             | •                     | 0   |
| NPCA-HMIS Ratin        | าต                    |     |

Health Flammability 2 Reactivity 0

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS

MSDS Administrator

Address

Conoco Inc. PO Box 2197

Houston, TX 77252 713/293-5550

Telephone

# Indicates updated section.

End of MSDS

District I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pirtict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 کند یم

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 96052-

| REQUEST FOR APPROVAL TO A                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|
| 1. RCRA Exempt: Non-Exempt: S. い。こ                                                                                                                                                                                                                                                                                                                                                                                                               | 4. Generator Phillips Reduction                        |  |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                             | 5. Originating Site 29-5 # 214                         |  |
| 2. Management Facility Destination Envirotech Soil Rem<br>Facility Landfarm                                                                                                                                                                                                                                                                                                                                                                      | nedia.<br>n #2 6. Transporter                          |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                          | 8. State New Hapico                                    |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                | WE SECZO, TZ9N RSW RACA                                |  |
| <ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by</li> </ul> |                                                        |  |
| listing or testing will be approved.                                                                                                                                                                                                                                                                                                                                                                                                             | orthodison of origina the Madia diadanted Mazardada by |  |
| All transporters must certify the wastes delivered are only those                                                                                                                                                                                                                                                                                                                                                                                | consigned for transport.                               |  |
| BRIEF DESCRIPTION OF MATERIAL:  cleaning of condans at a spill @ a production pit took.  MAR 2000  RECL OIL CON DIV DIST. 3  cy Known Volume (to be entered by the operator at the end of the haul)  cy                                                                                                                                                                                                                                          |                                                        |  |
| SIGNATURE: Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                         | TELEPHONE NO. DATE: 3.21.00                            |  |
| APPROVED BY: Chali Term TITLE: Of                                                                                                                                                                                                                                                                                                                                                                                                                | Poty 0 26 in shortal DATE: 3/21/2000                   |  |

### CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address:                                      | 2. Destination Name:                                |
|---------------------------------------------------------------------|-----------------------------------------------------|
| Phillips Petroleum Company                                          | Envirotech Landfarm                                 |
| 5525 Hwy 64, NEBU 3004                                              | NM Hwy 44 (US Hwy 550)                              |
| Farmington, NM 87401                                                | Hilltop, NM                                         |
|                                                                     | _                                                   |
| ļ.                                                                  |                                                     |
|                                                                     |                                                     |
| 3. Originating Site (Name):                                         |                                                     |
| San Juan 29-5 # 214                                                 |                                                     |
|                                                                     |                                                     |
|                                                                     |                                                     |
|                                                                     |                                                     |
|                                                                     |                                                     |
| 4. Source and Description of Waste:                                 |                                                     |
| Approximately 12 cubic yards of hydrocarbo                          | n stained soil as a result of an upset              |
| (over filled) pit tank.                                             |                                                     |
|                                                                     |                                                     |
|                                                                     |                                                     |
|                                                                     |                                                     |
| I, R.A. Wirtaner                                                    | representative for:                                 |
| (Print Name)                                                        |                                                     |
| Phillips Petrole                                                    |                                                     |
| that according to the Resource Conservation                         |                                                     |
| Agency's July, 1988, regulatory determination                       | on, the above described waste is:                   |
| (Check appropriate classification)                                  |                                                     |
| X EXEMPT oilfield waste                                             | NON-EXEMPT oilfield waste                           |
|                                                                     | which is non-hazardous by characteristic            |
|                                                                     | analysis or by product identification and           |
|                                                                     | that nothing has been added to the exempt           |
|                                                                     | non-hazardous waste defined above.                  |
|                                                                     |                                                     |
|                                                                     | <b>,</b>                                            |
| For EXEMPT waste only, the following                                | For NON-EXEMPT waste only, the following            |
| documentation is attached (check appropriate items)                 | documentation is attached (check appropriate items) |
| MODIAG                                                              | MSDS Information                                    |
| NORM Survey                                                         | TCLP Analysis                                       |
| TCLP Analysis                                                       | Chain of Custody                                    |
|                                                                     | NORM Survey                                         |
|                                                                     | Other (description)                                 |
|                                                                     |                                                     |
| PAINT                                                               | 2/10/00                                             |
| Name (Original Signature):                                          |                                                     |
|                                                                     | 3/19/                                               |
| Title: Sr. Safety and Environmental Specialist Date: March 10, 2000 | 3/19/                                               |

Hatriet I - (505) 393-6161 O. Hox 1980 to by NM 88241-1980 Hattiet II - (505) 748-1283 11 S. First rtesia, NM 88210 "-trict III - (505) 334-6178 Rio Brazos Road __c, NM 87410

## New Mexico

Energy Numerals and Natural Resources Department Oil Conservation Division

> 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

MAR 1 6 2000

Environmental Bureau

Oil Conservation Division

RECEIVED

Submit Original Plus I Čopy to appropriate District Office

Form C-138

Originated 8/8/95

Env. JN: 92132.02

| trict IV - (505) 827-7131                                                                                                                                                                                                                                                                    | Env. JN: 92132.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                               | T SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                  | 4. Generator (Lastibustion)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                         | 5. Originating Site Truck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2. Management Facility Destination Envirotech Soil Remedia.<br>Facility Landfarm #2                                                                                                                                                                                                          | 6. Transporter Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                      | 8. State Num Harpico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                            | HWAW San 25, TZ7N, R54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3. Circle One:                                                                                                                                                                                                                                                                               | Ris hariba Comby Dia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul> <li>B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | on of origin. No waste classified hazardous by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                               | or transport.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clean-p-f-AOF-2 spillade Trackae<br>Ridge above Cerrizo Wash                                                                                                                                                                                                                                 | MAR 2000  MAR 20 |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm  Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TE                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (This space for State Use)  APPROVED BY: TITLE: CO.                                                                                                                                                                                                                                          | 109137 DATE: 3/13/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 816 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 7 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410.

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

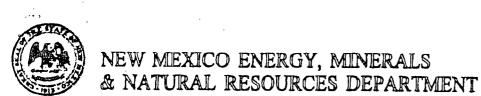
Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN: 92132.02

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                             | 4. Generator (Loll; button                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site Truck                                                                                     |
| 2. Management Facility Destination Envirotech Soil Remarks Facility Landfar                                                                                                                                                                                                                                                                                             | nedia.  6. Transporter Eaulinetesk                                                                            |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 8740                                                                                                                                                                                                                                                                                                  | 8. State Hum Heroico                                                                                          |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                       | MWAW Sac 25, TZ7N, R5W                                                                                        |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                  | Ris doriba Comby 2) de                                                                                        |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes we Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must PROVE the material is not-hazardous and the Generator's disting or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those</li> </ul> | st be accompanied by necessary chemical analysis to sertification of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                          | consigned for transport.                                                                                      |
| Cleanup of AOF-2 spilled @ Trad<br>Ridge above Cerrizo                                                                                                                                                                                                                                                                                                                  | MAR 2000 RECEIVED OIL CON. DIV DIST. 3                                                                        |
| Estimated Volume                                                                                                                                                                                                                                                                                                                                                        | by the operator at the end of the haul) ————————————————————————————————————                                  |
| SIGNATURE: Harlan M. Brown  TYPE OR PRINT NAME: Harlan M. Brown                                                                                                                                                                                                                                                                                                         | dfarm Manager  DATE: 03./8.00  TELEPHONE NO. 505-632-0615                                                     |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                              |                                                                                                               |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                     | DATE:                                                                                                         |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                     | DATE:                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |



10.7.99
16:15
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(806) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

| HALLIBURTEN ENERGY Services                                                                                    | Envirotech Inc.                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4109 E. Hain St.                                                                                               | Soil Remediation Remediation Facility                                                                                                                                                         |
| Farmington, NW 87401                                                                                           | Landfarm #2, Hilltop,New Mexico<br>5796 US Hwy 64, Farmington NM 87401                                                                                                                        |
| 3. Originating Site (name):  HUNW SECZS, TZTH RSW  RIO Arriba Comby, NM.                                       | Location of the Waste (Street address &/or ULSTR):                                                                                                                                            |
| Attach list of originating sites as appropriate 4. Source and Description of Waste                             |                                                                                                                                                                                               |
| Clean p of AQF-Z 3p                                                                                            | illad @ Truck decident.                                                                                                                                                                       |
| 1. REBERT SMZ14 (Print Name) HALLEBURZON FENERBLY SERVICE                                                      | representative for:                                                                                                                                                                           |
| HALIZBURZON FENERCY SERVICE                                                                                    | do hereby certify that,                                                                                                                                                                       |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described v       | ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification |
| and that nothing has been added to the exempt or nor                                                           | n-exempt non-hazardous waste defined above.                                                                                                                                                   |
| For NON-EXEMPT waste the following documentat  MSDS Information RCRA Hazardous Waste Analysis Chain of Custody | tion is attached (check appropriate items): Other (description):                                                                                                                              |
| This waste is in compliance with Regulated Levels of N<br>to 20 NMAC 3.1 subpart 1403.C and D.                 | laturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                      |
| Name (Original Signature): ROBERT SMITTH                                                                       | /                                                                                                                                                                                             |
| Title: ASE ADVISOR                                                                                             |                                                                                                                                                                                               |
| Date: <u>03-10-200</u>                                                                                         |                                                                                                                                                                                               |
|                                                                                                                |                                                                                                                                                                                               |



Donny Foust valbal 10,7.99 16:15

#### AQF-2 FOAMING AGENT - HAL-TANK

PAGE

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES

DATE: 07-22-98 REVISED DATE 01-17-9

DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 580/251-4689 OR 580/251-3569

AFTER HOURS: 580/251-3760

CHEMICAL CODE: AQF-2 FOAMING AGENT - HAL-TANK PART NUMBER: 51600519

APPLICATION: FOAMING AGENT PKG QTY: 330 GALLON TANK

SERVICE USED: STIMULATION

* * * * * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * * *

PERCENT TLV

11-30 % 25 PPM S 25 PPM S ETHYLENE GLYCOL MONOBUTYL ETHER

PROPERTY MEASUREMENT

CLEAR LIGHT YELLOW LIQUID APPEARANCE

ODOR BLAND

SPECIFIC GRAVITY (H2O=1) 1.038

BULK DENSITY 8.65 LB/GAL

6.5-8.5 FOR 10% SOL.

SOLUBILITY IN WATER AT

20 DEG C. GMS/100ML H20 SOLUBLE BIODEGRADABILITY 73-78 PERCENT VOLATILES EVAPORATION RATE (BUTYL ACETATE=1) N/D VAPOR DENSITY VAPOR PRESSURE (MMHG) N/D N/D

BOILING POINT (760 MMHG) POUR POINT N/D FREEZE POINT N/D

SOLUBILITY IN SEAWATER NOT EVALUATED

PARTITION COEF (OCTANOL IN WATER) NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * * * *

NFPA(704) RATING:

HEALTH 1 FLAMMABILITY 2 REACTIVITY 0 SPECIAL NONE

142 F / 61 C FLASH MTHD PMCC FLASH POINT

ND AUTOIGNITION TEMPERATURE ND

FLAMMABLE LIMITS (% BY VOLUME) LOWER N/D UPPER N/D

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

PN: 516005190 PAGE 2

UNUSUAL FIRE AND EXPLOSION HAZARDS:

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND SULFUR OXIDES.

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO: "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT ESTABLISHED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE

MAY CAUSE MODERATE IRRITATION.

SKIN:

MAY BE ABSORBED THROUGH SKIN.

CONTACT MAY CAUSE SKIN IRRITATION.

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

CHRONIC EFFECTS:

CONTAINS ETHYLENE GLYCOL MONOBUTYL ETHER. ANIMAL STUDIES INDICATE FETAL AND TESTICULAR TOXICITY WITH RELATED GLYCOL ETHERS.

OTHER SYMPTOMS AFFECTED:

BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS. BREATHING OF VAPOR AND/OR MISTS MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

EVE

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION.

SKIN:

PROMPTLY WASH SKIN WITH SOAP AND WATER.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

* * * * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * * *

PN: 516005190 PAGE 3

STABILITY: STABLE

CONDITIONS TO AVOID:

NOT APPLICABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

SULFUR DIOXIDE, CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AND STOP LEAK WHERE SAFE. CONTAIN AND ABSORB SPILL WITH AN INERT MATERIAL. SCOOP UP AND REMOVE.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT ABSORBED MATERIAL TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR.

**VENTILATION:** 

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

GOGGLES AND/OR FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * *

PRECAUTIONARY LABELING AQF-2 FOAMING AGENT - HAL-TANK

516.005190

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE EYE AND SKIN IRRITATION.

COMBUSTIBLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

STORE IN A COOL WELL VENTILATED LOCATION.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

PN: 516005190 PAGE

* * * * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * * *

DOT SHIPPING DESCRIPTION: COMBUSTIBLE LIQUID, N.O.S. - COMBUSTIBLE LIQUID - NA1993 - III (CONTAINS ETHYLENE GLYCOL MONOBUTYL ETHER)

IATA SHIPPING DESCRIPTION: NOT RESTRICTED

IMO SHIPPING DESCRIPTION: NOT RESTRICTED

CAN SHIPPING DESCRIPTION: NOT RESTRICTED

ADR SHIPPING DESCRIPTION: NOT RESTRICTED

EPA SUPERFUND (SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y FIRE: Y CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

- B. EPA CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY) N/A
- C. EPA SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES) PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS
- D. EPA SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS) ETHYLENE GLYCOL MONOBUTYL111-76-2
- E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES EEC N/D ACOIN N/D NPR NE DRSM NE TSCA YES CEPA NE
- F. EXTRACTION METAL AND TRACE CONTENTS IN LIQUID > 5 MG/L, SOLID > 500 MG/KG NOT EVALUATED IN LIQUID > 100 MG/L, SOLID > 10000 MG/KG NOT EVALUATED ARSENIC: BARIUM : CADIUM: IN LIQUID > 1 MG/L, SOLID > 100 MG/KG NOT EVALUATED CHROMIUM(VI): IN LIQUID > 5 MG/L, SOLID > 500 MG/KG NOT EVALUATED CHROMIUM(III): IN LIQUID > 560 MG/L, SOLID > 2500 MG/KG NOT EVALUATED IN LIQUID > 5 MG/L, SOLID > 1000 MG/KG NOT EVALUATED MERCURY: IN LIQUID > 0.2 MG/L, SOLID > 2000 MG/KG NOT EVALUATED IN LIQUID > 1 MG/L, SOLID > 100 MG/KG NOT EVALUATED SELENIUM: IN LIQUID > 5 MG/L, SOLID > 500 MG/KG NOT EVALUATED SILVER: IN LIQUID > 15 MG/L, SOLID > 500 MG/KG NOT EVALUATED ANTIMONY: BERYLLIUM: IN LIQUID > 0.75 MG/L, SOLID > 75 MG/KG NOT EVALUATED IN LIQUID > 80 MG/L, SOLID > 8000 MG/KG NOT EVALUATED COBALT:

IN LIQUID > 25 MG/L, SOLID > 2500 MG/KG NOT EVALUATED COPPER: FLUORIDE: IN LIQUID > 180 MG/L, SOLID > 18000 MG/KG NOT EVALUATED MOLYBDENUM: IN LIQUID > 350 MG/L, SOLID > 3500 MG/KG NOT EVALUATED

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| NICKEL:         | IN LIQUID | > | 20 MG/L,  | SOLID > | 2000 MG/KG | NOT EVALUATED |
|-----------------|-----------|---|-----------|---------|------------|---------------|
| THALLIUM:       | IN LIQUID | > | 7 MG/L,   | SOLID > | 700 MG/KG  | NOT EVALUATED |
| VANADIUM:       | IN LIQUID | > | 24 MG/L,  | SOLID > | 2400 MG/KG | NOT EVALUATED |
| ZINC:           | IN LIQUID | > | 250 MG/L, | SOLID > | 5000 MG/KG | NOT EVALUATED |
| CYANIDE:        | IN LIQUID | > | 250 MG/L, | SOLID > | 250 MG/KG  | NOT EVALUATED |
| H2S:            | IN LIQUID | > | 500 MG/L, | SOLID > | 500 MG/KG  | NOT EVALUATED |
| ORGANO-TIN:     | IN LIQUID |   | OR        | SOLID > | 100 MG/L   | NOT EVALUATED |
| ORGANO-PHOS:    | IN LIQUID |   | OR        | SOLID > | 100 MG/L   | NOT EVALUATED |
| TIN:            | IN LIQUID |   | OR        | SOLID > | 100 MG/L   | NOT EVALUATED |
| PERSISTENT ORGA | -OMA      |   |           |         |            |               |
| HALOGENS:       | IN LIQUID |   | OR        | SOLID > | 100 MG/L   | NOT EVALUATED |

G. OTHER COMPONENTS

CONTAINS BENZENE NO CONTAINS TOLUENE NO CONTAINS XYLENE NO

REPORTABLE SPILL QUANTITY FOR BENZENE, TOLUENE, XYLENE NOT APPLICABLE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

I. UNITED KINGDOM - DOE (CHEMICAL NOTIFICATION SCHEME) TOXICITY CATEGORY

NOT EVALUATED

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FRO VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT I GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSL PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

District 1 - (505) 393-6161" P. O. Box 1980 Hobps, NM 88241-1980 Die rict 16 - (505) 748-1283 811 S. First Arzesia, NM 88210 'trict III - (505) 334-6178 Rio Brazos Road ~~c. NM 87410 District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department RECEIVED Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

MAR 0 3 2000

Submit Original Plus I Copy to appropriate District Office

Form C-138

Originated 8/8/95

Env. QiNGonservation Division

Environmental Bureau

| REQUEST FOR | APPROVAL T | O ACCEPT | SOLID WAS | STE |
|-------------|------------|----------|-----------|-----|
|             |            |          |           |     |

| NEWOEST FOR AFFROVAL TO ACCEPT                                                                                                                                                                                                                                                                              | OOLID WAS IE                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: Z.Z. 00 2:10 P.M                                                                                                                                                                                                                                                                | 4. Generator WFS.                             |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                        | 5. Originating Site Horse Coupan              |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                            | 6. Transporter SCAT                           |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                     | 8. State War Magetico                         |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                           | Sec 26, TBON, RQW.                            |
| 9. Circle One:                                                                                                                                                                                                                                                                                              |                                               |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul> | ompanied by necessary chemical analysis to    |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                 | d for transport.                              |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                              |                                               |
| Reboilion sludge removed to repair                                                                                                                                                                                                                                                                          | reboiher element                              |
| Estimated Volume 120 bbl cy Known Volume (to: be entered by the open                                                                                                                                                                                                                                        | erator at the end et the hard)cy              |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                              | DATE: <u>02.29.00</u> EPHONE NO. 505-632-0615 |
| (This space for State Use)                                                                                                                                                                                                                                                                                  |                                               |
| APPROVED BY: Sent & Four TITLE: Geolo                                                                                                                                                                                                                                                                       | DATE: 3/01/2000                               |
| APPROVED BY: Monten Title: Envivon                                                                                                                                                                                                                                                                          | unhol Goologs & DATE: 3/6/2000                |

District I - (505) 393-6161 P. O. Box 1980 Cobbs; NM 88241-1980 District II - (505) 748-1283 811 S: First Artesia, NM 88210

Rio Brazos Road

د.c, NM 87410

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| 1. RCRA Exempt: Non-Exempt: Z:0 P.M.                                                                                                                                                                                                                                                                                                                                                                                                  | 4. Generator WFS.                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                  | 5. Originating Site Horse Composition                                                    |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                      | 6. Transporter SCAT                                                                      |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                               | 8. State Now Hopico                                                                      |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                     | Sac 26, TBON, RQW.                                                                       |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |
| Reboilion sludge removed to repair                                                                                                                                                                                                                                                                                                                                                                                                    | reboiler element                                                                         |
| FEB 2000 RECEIVED OIL CON. DIV DIST. 3 Estimated Volume 4 20 lbl cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                           | rator at the end of the haul) ————————————————————————————————————                       |
| SIGNATURE: Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                          |
| (This space for State Use)  APPROVED BY: Year TITLE: FEE LOG                                                                                                                                                                                                                                                                                                                                                                          | 13/ DATE: 3/01/2000                                                                      |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE:                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |

## **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name:                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WILLIAMS FIELD SERVKES CO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Enviroted Inc.<br>5796. U.S Hur 64                                                                                                                                                                                                                                    |
| 295 CHIPETA WAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5/46.4.3 0007 64                                                                                                                                                                                                                                                      |
| SALT LAKE CITY, UT 84158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FARMINGTON, Nat. 87401                                                                                                                                                                                                                                                |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Location of the Waste (Street address &/or ULSTR);                                                                                                                                                                                                                    |
| HORSE Canyon Reclaimen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                       |
| Sec 26 -301 69W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
| Attach fiet of originating sites as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
| 4. Source and Description of Weste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                       |
| REBOILER SLUDGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
| ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ,                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
| 013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                       |
| 1. BATBEEVERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | representative for:                                                                                                                                                                                                                                                   |
| (Print Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | representative for:  de hereby certify that,                                                                                                                                                                                                                          |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT cilfield wests  NON-EXE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | do hereby certify that,<br>ary Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                 |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT cilfield wests  NON-EXE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | do hereby certify that, bry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate elevatication)  MPT diffield waste which is non-hazardous by characteristic by product identification                                                 |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT cilfield waste   NON-EXE analysis of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | do hereby certify that, any Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate description)  MPT cliffield waste which is non-hazardous by characteristic or by product identification  on-exampt non-hazardous waste defined above. |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT oilfield wasts NON-EXEMPT analysis of analysis of that nothing has been added to the exempt or n | do hereby certify that, any Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate description)  MPT cliffield waste which is non-hazardous by characteristic or by product identification  on-exampt non-hazardous waste defined above. |
| according to the Resource Conservation and Recovered 1988, regulatory determination, the above described EXEMPT cilfield wasts    NON-EXEMPT wasts only the following documents of the MSDS Information    RCRA Hazardous Wasts Analysis Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | do hereby certify that, any Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate description)  MPT cliffield waste which is non-hazardous by characteristic or by product identification  on-exampt non-hazardous waste defined above. |



## Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. 8OX 929 • 87499 FARMINGTON, NEW MEXICO PHONE: (505) 327-2222 • FAX: (505) 327-7550

#### NORM SURVEY DATA SHEET

| . · · · -                                                                  |                             |
|----------------------------------------------------------------------------|-----------------------------|
| Facility / location: Williams Horse                                        | CANYON SITE Date: 2-23-2000 |
| Meter Model: DOSIMETER 3007A                                               | Serial No: 9808-238         |
| Detector Model: DOSIMETER 3012                                             | Serial No: 201-887-7100     |
| Calibration Date: 4-5-99                                                   |                             |
| Battery Check: (X)                                                         |                             |
| Background Radiation Level: 0.03 n                                         | nR/hr                       |
| Description of material surveyed:  WASTE Studge for  24 PIPE From February | R EJAPORATOR                |
|                                                                            | Material Surveyed:          |
| Waste Material: 150 approx. gals Equipment: Manufacturer:                  | mR/hr: 0-06                 |
| Serial No:                                                                 | <del></del>                 |
| Description:                                                               | <del></del>                 |
| Job No:                                                                    | <del></del>                 |
| Comments:                                                                  |                             |
|                                                                            |                             |
| Survey Conducted by: GARY W Ha                                             | iw∈<br>are                  |
| (Signature)                                                                |                             |

March 5, 1999

Mr. Bill Beevers
Williams Field Service, Inc.
Manzanares District
P.O. Box 215
Bloomfield, NM 87413

(505) 320-4642 Fax (505) 632-4781

Project No.: 97050 Job No.: 705004

Dear Mr. Beevers,

Enclosed are the analytical results for one liquid sample collected from the location designated as "Horse Canyon". One liquid sample identified as "Waste Water" was collected by WFS designated personnel on 02/22/99, and delivered to the Envirotech laboratory on 02/22/99 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Trace Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 6615 and assigned Laboratory No. E696 for tracking purposes. The sample was analyzed 02/22/99 through 03/05/99 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It has been our pleasure doing business with you and we hope you will consider Envirotech, Inc. for any of your future environmental contracting needs.

Respectfully submitted,

Envirotech, Inc.

Stacy W. Sendler

Environmental Scientist/Laboratory Manager

enclosure

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# LAMETHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | Williams Field Service | Project #:       | 705004      |
|--------------------|------------------------|------------------|-------------|
| Sample ID:         | Waste Water            | Date Reported:   | 03-03-99    |
| Laboratory Number: | E696                   | Date Sampled:    | 02-22-99    |
| Chain of Custody:  | 6615                   | Date Received:   | 02-22-99    |
| Sample Matrix:     | Water                  | Date Analyzed:   | 03-03-99    |
| Preservative:      | Cool                   | Date Extracted:  | N/A         |
| Condition:         | Cool & Intact          | Analysis Needed: | TCLP metals |

| Parameter | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Level<br>(mg/L) |
|-----------|-------------------------|-------------------------|-------------------------------|
|           |                         |                         |                               |
| Arsenic   | 0.0473                  | 0.0001                  | 5.0                           |
| Barium    | 0.219                   | 0.001                   | 21                            |
| Cadmium   | 0.0083                  | 0.0001                  | 0.11                          |
| Chromium  | 0.0963                  | 0.0001                  | 0.60                          |
| Lead      | 0.0211                  | 0.0001                  | 0.75                          |
| Mercury   | ND                      | 0.0001                  | 0.025                         |
| Selenium  | 0.0171                  | 0.0001                  | 5.7                           |
| Silver    | ND                      | 0.0001                  | 0.14                          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by

GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Horse Canyon.

Analyst

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## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client: Sample ID: Williams Field Service

Project #:

705004

Lab ID#:

Waste Water E696 Date Reported:

02-26-99 02-22-99

Sample Matrix:

Water

Date Sampled: Date Received:

02-22-99

Preservative:

Cool

Date Analyzed:

02-23-99

Condition:

Cool and Intact

Chain of Custody:

6615

**Parameter** 

Result

**IGNITABILITY:** 

**Negative** 

**CORROSIVITY:** 

**Negative** 

pH = 6.87

**REACTIVITY:** 

**Negative** 

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY**:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

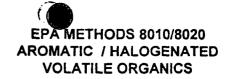
Horse Canyon.

Analyst

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| Client:            | Williams Field Service | Project #:          | 705004   |
|--------------------|------------------------|---------------------|----------|
| Sample ID:         | Waste Water            | Date Reported:      | 03-01-99 |
| Laboratory Number: | E696                   | Date Sampled:       | 02-22-99 |
| Chain of Custody:  | . 6615                 | Date Received:      | 02-22-99 |
| Sample Matrix:     | Water                  | Date Extracted:     | N/A      |
| Preservative:      | Cool                   | Date Analyzed:      | 02-26-99 |
| Condition:         | Cool & Intact          | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | 0.637         | 0.0001    | 200        |
| Chloroform           | ND .          | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | 0.303         | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | 0.0035        | 0.0003    | 0.5        |
| Tetrachloroethene    | 0.0012        | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
| QAVQC Acceptance Criteria | Palameter | reicent necovery |
|                           |           |                  |

98% **Trifluorotoluene** 99% Bromofluorobenzene

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Horse Canyon.



#### E. ~ METHOD 8040 PHENOLS

| Client:            | Williams field Service | Project #:          | 705004   |
|--------------------|------------------------|---------------------|----------|
| Sample ID:         | Waste Water            | Date Reported:      | 03-01-99 |
| Laboratory Number: | E696                   | Date Sampled:       | 02-22-99 |
| Chain of Custody:  | 6615                   | Date Received:      | 02-22-99 |
| Sample Matrix:     | Water                  | Date Extracted:     | N/A      |
| Preservative:      | Cool                   | Date Analyzed:      | 03-01-99 |
| Condition:         | Cool & Intact          | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | 4.53                    | 0.020                        | 200                           |
| p,m-Cresol            | 6.08                    | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | 1.05                    | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | 17.1                    | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Horse Canyon.

Analyst



## _₽A Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | Williams field Service | Project #:          | 705004   |
|--------------------|------------------------|---------------------|----------|
| Sample ID:         | Waste Water `          | Date Reported:      | 03-01-99 |
| Laboratory Number: | E696                   | Date Sampled:       | 02-22-99 |
| Chain of Custody:  | 6615                   | Date Received:      | 02-22-99 |
| Sample Matrix:     | Water                  | Date Extracted:     | N/A      |
| Preservative:      | Cool                   | Date Analyzed:      | 03-01-99 |
| Condition:         | Cool and Intact        | Analysis Requested: | TCLP     |

|                     | 0                    | Det.            | Regulatory      |
|---------------------|----------------------|-----------------|-----------------|
| Parameter           | Concentration (mg/L) | Limit<br>(mg/L) | Limit<br>(mg/L) |
| Pyridine            | 0.236                | 0.020           | 5.0             |
| Hexachloroethane    | 0.350                | 0.020           | 3.0             |
| Nitrobenzene        | 0,207                | 0.020           | 2.0             |
| Hexachlorobutadiene | 0.430                | 0.020           | 0.5             |
| 2,4-Dinitrotoluene  | 0.076                | 0.020           | 0.13            |
| HexachloroBenzene   | 0.100                | 0.020           | 0.13            |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           | •                |

#### 2-fluorobiphenyl

100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Horse Canyon.

Analyst

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# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 03-01-99 |
| Laboratory Number: | 02-26-TCV Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-26-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND .          | 0.0002    | 7.5        |

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 100%             |
|                           | Bromofluorobenzene | 100%             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Analyst Analyst



| Client:            | QA/QC        | Project #:          | N/A      |
|--------------------|--------------|---------------------|----------|
| Sample ID:         | Method Blank | Date Reported:      | 03-01-99 |
| Laboratory Number: | 02-22-TV-MB  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 02-26-99 |
| Condition:         | N/A          | Date Extracted:     | 02-22-99 |
|                    |              | Analysis Requested: | TCLP     |
|                    |              |                     |          |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
| QAVQC Acceptance Criteria | ratametei | reiceit Necovery |

Trifluorotoluene Bromofluorobenzene 99% 98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

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Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Malyst (



| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 03-01-99 |
| Laboratory Number:  | E695             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 02-26-99 |
| Condition:          | N/A              | Date Extracted: | N/A      |

|                      | *************************************** | Duplicate |           |            |
|----------------------|-----------------------------------------|-----------|-----------|------------|
|                      | Sample                                  | Sample    | Detection | <b>.</b> * |
|                      | Result                                  | Result    | Limits    | Percent    |
| Parameter            | (mg/L)                                  | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND                                      | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND                                      | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | ND                                      | ND        | 0.0001    | 0.0%       |
| Chloroform           | ND                                      | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND                                      | ND        | 0.0001    | 0.0%       |
| Benzene              | ND                                      | ND        | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND                                      | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND                                      | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND                                      | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND                                      | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND                                      | ND        | 0.0002    | 0.0%       |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples E695 - E696.



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC        | Project #:      | N/A      |
|---------------------|--------------|-----------------|----------|
| Sample ID:          | Matrix Spike | Date Reported:  | 03-01-99 |
| Laboratory Number:  | E695         | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract | Date Received:  | N/A      |
| Analysis Requested: | TCLP         | Date Analyzed:  | 02-26-99 |
| Condition:          | N/A          | Date Extracted: | N/A      |

|                      |        |        | Spiked |        |          | SW-846  |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
|                      | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |
| 1.4-Dichlorobenzene  | ND.    | 0.050  | 0.0494 | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples E695 - E696.

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#### EPA METHOD 8040 PHENOLS

#### Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 03-01-99 |
| Laboratory Number: | 03-01-TCA-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | <b>N/A</b>       | Date Analyzed:      | 03-01-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |                      | Detection       | Regulatory      |  |
|-----------------------|----------------------|-----------------|-----------------|--|
| Parameter             | Concentration (mg/L) | Limit<br>(mg/L) | Limit<br>(mg/L) |  |
| , aramotor            | (1119/2)             | \···3'-/        | (9.2)           |  |
| o-Cresol              | ND                   | 0.020           | 200             |  |
| p,m-Cresol            | ND                   | 0.040           | 200             |  |
| 2,4,6-Trichlorophenol | ND                   | 0.020           | 2.0             |  |
| 2,4,5-Trichlorophenol | ND                   | 0.020           | 400             |  |
| Pentachlorophenol     | ND                   | 0.020           | 100             |  |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Analyst



### EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 03-01-99 |
| Laboratory Number: | 02-22-TCA-MB    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extraction | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 02-22-99 |
| Condition:         | Cool & Intact   | Date Analyzed:      | 03-01-99 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter             | Concentration (mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|----------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                   | 0.020                   | 200                           |
| p,m-Cresol            | ND                   | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                   | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                   | 0.020                   | 400                           |
| Pentachlorophenol     | ND                   | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       |                      |                  |
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

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Comments:

QA/QC for samples E695 - E696.

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### EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 03-01-99 |
| Laboratory Number: | E695             | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | N/A      |
| Condition:         | Cool & Intact    | Date Analyzed:      | 03-01-99 |
| •                  |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | • ND                       | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | 0.708                      | 0.701                         | 0.020                        | 1.0%                  |
| 2,4,5-Trichlorophenol | 0.222                      | 0.219                         | 0.020                        | 1.1%                  |
| Pentachlorophenol     | 0.091                      | 0.090                         | 0.020                        | 0.8%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter | Maximum Difference |
|----------------------------|-----------|--------------------|
| •                          | •         |                    |

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Le Jeen L. Checan



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 03-01-99 |
| Laboratory Number: | 03-01-TBN-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 03-01-99 |
|                    |                  | Analysis Requested: | TCLP     |

|                     | Concentration | Det.<br>Limit | Regulatory<br>Limit |
|---------------------|---------------|---------------|---------------------|
| Parameter           | (mg/L)        | (mg/L)        | (mg/L)              |
| Pyridine            | ND            | 0.020         | 5.0                 |
| Hexachloroethane    | ND            | 0.020         | 3.0                 |
| Nitrobenzene        | ND            | 0.020         | 2.0                 |
| Hexachlorobutadiene | ND            | 0.020         | 0.5                 |
| 2,4-Dinitrotoluene  | ND            | 0.020         | 0.13                |
| HexachloroBenzene   | ND            | 0.020         | 0.13                |

ND - Parameter not detected at the stated detection limit.

| · · · · · · · · · · · · · · · · · · · |             |                   |
|---------------------------------------|-------------|-------------------|
| OA/OC Acceptance Criteria             | Doromotor   | Percent Recovery  |
| QA/QC Acceptance Criteria             | Parameter   | refletit Recovery |
|                                       | <del></del> |                   |

#### 2-fluorobiphenyl

99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Aleu L. Geecen



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| Client:            | QA/QC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 03-01-99 |
| Laboratory Number: | 02-22-BN-MB     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 02-22-99 |
| Condition:         | Cool and Intact | Date Analyzed:      | 03-01-99 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration (mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|----------------------|-------------------------|-------------------------------|
| Pyridine _          | ND                   | 0.020                   | 5.0                           |
| Hexachioroethane    | ND                   | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                   | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                   | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                   | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                   | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| 0.4.000 4                 | O              | D 4 D               |
|---------------------------|----------------|---------------------|
| QA/QC Acceptance Criteria | Parameter      | Percent Recovery    |
| WAVE Acceptance official  | i ai ai i ccci | i ciociii i coovery |
|                           |                |                     |

### 2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

Analyst

Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 03-01-99 |
| Laboratory Number: | E695             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 02-22-99 |
| Condition:         | N/A              | Date Analyzed:      | 03-01-99 |
|                    |                  | Analysis Requested: | TCLP     |

|                     | Sample | Duplicate |            | Det.   |
|---------------------|--------|-----------|------------|--------|
|                     | Result | Result    | Percent    | Limit  |
| Parameter           | (mg/L) | (mg/L)    | Difference | (mg/L) |
| Pyridine            | ND     | ND        | 0.0%       | 0.020  |
| Hexachloroethane    | 0.056  | 0.055     | 1.0%       | 0.020  |
| Nitrobenzene        | ND     | ND        | 0.0%       | 0.020  |
| Hexachlorobutadiene | ND     | ND        | 0.0%       | 0.020  |
| 2,4-Dinitrotoluene  | ND     | ND        | 0.0%       | 0.020  |
| HexachloroBenzene   | ND     | ND        | 0.0%       | 0.020  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E695 - E696.

fillenh.

Keylew



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 03-03-TCM QA/QC | Date Reported:  | 03-03-99 |
| Laboratory Number:  | E695            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 03-03-99 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate | Instrument | Method | Detection | Sample | Duplicate | <b>%</b> | Acceptance |
|-------------------|------------|--------|-----------|--------|-----------|----------|------------|
| Conc. (mg/L)      | Blank      | Blank  | Limit     |        |           | Diff.    | Range      |
| Arsenic           | ND         | ND     | 0.0001    | 0.0437 | 0.0435    | 0.5%     | 0% - 30%   |
| Barium            | ND         | ND     | 0.001     | 0.891  | 0.896     | 0.6%     | 0% - 30%   |
| Cadmium           | ND         | ND     | 0.0001    | 0.0173 | 0.0174    | 0.6%     | 0% - 30%   |
| Chromium          | ND         | ND     | 0.0001    | ND     | ND        | 0.0%     | 0% - 30%   |
| Lead              | ND         | ND     | 0.0001    | 0.0149 | 0.0150    | 0.7%     | 0% - 30%   |
| Mercury           | ND         | ND     | 0.0001    | ND     | ND        | 0.0%     | 0% - 30%   |
| Selenium          | ND         | ND     | 0.0001    | 0.0315 | 0.0312    | 1.0%     | 0% - 30%   |
| Silver            | ND         | ND     | 0.0001    | ND     | ND        | 0.0%     | 0% - 30%   |

| Spike<br>Conc. (mg/L) | Spike<br>Added | Sample | and the second of the second of the second |        | Acceptance  <br>Range |
|-----------------------|----------------|--------|--------------------------------------------|--------|-----------------------|
| Arsenic               | 0.1000         | 0.0437 | 0.144                                      | 100.1% | 80% - 120%            |
| Barium                | 1.000          | 0.891  | 1.89                                       | 99.8%  | 80% - 120%            |
| Cadmium               | 0.0500         | 0.0173 | 0.0672                                     | 99.9%  | 80% - 120%            |
| Chromium              | 0.0500         | ND     | 0.0498                                     | 99.6%  | 80% - 120%            |
| Lead                  | 0.1000         | 0.0149 | 0.115                                      | 99.9%  | 80% - 120%            |
| Mercury               | 0.0250         | ND     | 0.0249                                     | 99.6%  | 80% - 120%            |
| Selenium              | 0.1000         | 0.0315 | 0.131                                      | 99.6%  | 80% - 120%            |
| Silver                | 0.0500         | ND     | 0.0498                                     | 99.6%  | 80% - 120%            |

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by

GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples E695, E696 and E755.

Analyst

Review

### CHAIN OF CUSTODY RECORD

| Client / Project Name Williams Fig                  | 15 Ser         | سرح            | Project Location HORSE COL | o-                                            |                      | 4.4      | ····      | 1A       | IALYSIS / | PARA     | METERS     | :                                     |      |     |     |
|-----------------------------------------------------|----------------|----------------|----------------------------|-----------------------------------------------|----------------------|----------|-----------|----------|-----------|----------|------------|---------------------------------------|------|-----|-----|
| Sampler:<br>BINBEEVER                               | 25             |                | Client No.                 | 50-04                                         | No. of<br>Containers | 0/3      |           |          |           |          |            | Rem                                   | arks |     |     |
| Sample No./<br>Identification                       | Sample<br>Date | Sample<br>Time | Lab Number                 | Sample<br>Matrix                              | Con                  | Tar      |           |          |           |          |            |                                       | 1    |     |     |
| المعجود المحدود                                     | ١٩٩ حد اد      | 1330           | E696                       | LIQUID                                        | 8                    | <b>✓</b> |           |          |           |          |            |                                       |      |     |     |
|                                                     |                |                |                            |                                               | ·                    |          |           |          |           |          |            | ···                                   |      |     | _ ' |
|                                                     |                |                |                            |                                               |                      |          |           |          |           |          |            |                                       |      |     |     |
|                                                     |                |                |                            |                                               | -                    |          |           |          |           |          |            | <del> </del>                          |      |     | _   |
|                                                     |                |                |                            |                                               |                      |          |           |          |           |          |            | · · · · · · · · · · · · · · · · · · · | 4    |     |     |
|                                                     |                |                |                            |                                               | 1                    |          |           |          |           |          |            |                                       | İ    |     |     |
|                                                     |                |                |                            | -                                             | +                    |          | ,         |          |           |          |            | ·                                     |      |     |     |
| Relinquished by: (Signate Relinquished by: (Signate |                | <u> </u>       |                            | م 1440 PPLCK                                  | eived by:            |          | P.        | Q        | ue        | <u> </u> |            | 2.22                                  | 1 1  | Tin |     |
| Relinquished by: (Signat                            | ure)           |                |                            | Rec                                           | eived by:            | (Signatu | ıre)      |          |           |          |            |                                       | •    |     |     |
|                                                     |                |                |                            | ENVIROTE                                      | CH                   |          | <u>C.</u> | <u> </u> |           |          | Sa         | ample Rec                             |      |     |     |
|                                                     |                |                |                            | 5796 U.S. Hig<br>Farmington, New<br>(505) 632 | Mexico               |          | 1         |          |           |          | Received I |                                       | Y    | 2   | N/A |

Diatrict I - (505) 393-6161 2 Q. Box 1980 -lob/s, N.M. 88241-1980 District II - (505) 748-1283 11 S. First \tesia, NM 88210 \text{-trict III - (505) 334-6178}

1 Rio Brazos Road

District IV - (505) 827-7131

__:c, NM 87410

### New Mexico Energy Numerals and Natural Resources Department Oil Conservation Division RECEIVED

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

FEB 2 3 2000

Ol Conservation Division

Submit Original Plus 1 Copy to appropriate District Office

Form C-138

Originated 8/8/95

Environmental Bureau

TITLE: Envitor muta/ Godog 15+ DATE: 2/23/00

En

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F SOLID WASTE                                          |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4. Generator Dowe Q. Schumbo                           |  |  |  |  |
| Verbal Approval Received: Yes No 🔀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5. Originating Site Blow Fuld the                      |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Esuisateal                              |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8. State Danibling; co                                 |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3106.73100m Fined Hur.                                 |  |  |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Farmington DM.                                         |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                        |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Sola Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week to Absorb & Danholize 27 gallour of 2000 Ask week |                                                        |  |  |  |  |
| SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Manager DATE: <u>02.18.20</u> LEPHONE NO. 505-632-0615 |  |  |  |  |
| (This space for State Use)  APPROVED BY: Deny De Zourd TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5/5/ DATE: 2/22/00                                     |  |  |  |  |

District I (505) 393-6161 P. O. Box (190) Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pirtict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

**APPROVED BY:** 

c, NM 87410 عند

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

DATE:

Env. JN:

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| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Generator Dowell- Schumb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |
| Verbal Approval Received: Yes 🔲 No 🔀                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5. Originating Site Blow Field the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Transporter Environtely                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8. State Was Hung; co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3106.73100mFined they.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Farmington DM.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |
| Sola Ask used to Absorb & Nauk<br>2006 HCL SPilladon Bloomfield                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 Hy RECEIVED ON ON ON ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| Estimated Volume cy Known Volume (to be entered by the operator at the end of the haul) cy                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |
| SIGNATURE: TITLE: Landfarm Ma  Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE                                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE: <u>2.18.20</u> EPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |
| (This space for State Use)  APPROVED BY: Down TITLE: Geolog.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE: 2/22/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |

TITLE:



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEG DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW NEXICO 27410 (505) 334-5178 Pan (808)334-5170

GARY E. JOHNSON GOVERNOR

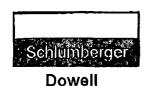
1. Generator Name and Address:

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

2. Destination Name:

| SCHLUMBERGER - DOWELL<br>3106 BLOWN FIE 4D HWY<br>FARMING TON; N. MEX-<br>3. Originating Site (name):<br>3106 BLOWN FIELD HWY SPI | Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 IIS Hwy 64. Earnington NM 87401 Location of the Waste (Street address &/or ULSTR):  ### BY FRON TENTRANCE AND |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPRIX YMZLE WEST ON HUY                                                                                                          | 64                                                                                                                                                                                                        |
| 4. Source and Description of Waste SODA A.  20 00 HCL - 27 BALS                                                                   | sh used to hatralzee                                                                                                                                                                                      |
| 1988, regulatory determination, the above described to EXEMPT cliffold waste NON-EXEM                                             | do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July,                                                                                                                          |
| For NON-EXEMPT weste the following documentar  MSDS information  RCRA Hazardous Waste Analysis  Chain of Custody                  |                                                                                                                                                                                                           |
| o 20 NMAC 3.1 subpart 1403.C and D.                                                                                               | laturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                  |
| Name (Original Signature): <u>A Tephan P</u><br>Title: <u>Bulk Plant Super</u><br>Date: <u>1/26/2000</u>                          | visar_                                                                                                                                                                                                    |



### MATERIAL SAFETY DATA SHEET

(Complies with USA OSHA 29 CFR 1910.1200 and ANSI Z 400.1)

DOWELL PRODUCT CODE:

M003

Effective Date:

04-March-1997

#### 1, IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

SODA ASH M3

Company/undertaking identification:

Dowell Safety/Environment - Worldwide

300 Schlumberger Drive

Sugar Land, Texas 77478, USA

Corporate Emergency Phone:

USA 1-281-595-3518

Corporate Non-Emergency Phone:

USA 1-281-285-8081

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM CARBONATE; CAS 497-19-8; 60-100%

#### 3. HAZARDS IDENTIFICATION

**Emergency Overview** 

Form:

Powder

Color:

White

Odor:

None

Main environmental hazards:

None known.

Main Physical Hazards

**Special Precautions:** 

None.

Physical Hazard:

dust

Main Health Hazards:

HMIS RATING: Health 1 Flammability 0 Reactivity 0

May cause eye irritation.

See Section 11 for a complete discussion of health hazards.

#### 4. FIRST AID MEASURES

Eye contact:

Immediately flush eyes with water for 15 minutes while

holding eyelids open. Seek medical attention.

Skin contact:

Rinse with water.

Inhalation:

Remove to fresh air.

Swallowing:

Rinse mouth with water. Seek medical attention if

irritation occurs.

Notes:

None.

#### 5. FIRE FIGHTING MEASURES

Extinguishing media:

None needed

Further Information:

None known.

Flash point:

Not combustible.

Method:

Not applicable

DOWELL

In:1-505-327-0317

JAN 12'00

16:40 No.008 P.03

DOWELL PRODUCT CODL

M003

Effective Date:

Jarch-1997

Flammability (explosion limits in air):

Lower:

Not applicable

Upper:

Not applicable

Autoflammability (auto-ignition temperature):

Explosive properties (thermal decomposition temperature):

Not applicable Not determined

NFPA Rating: Health 1 Flammability 0 Reactivity 0 Other: None

Combustion products: see Section 10.

#### 6. ACCIDENTAL RELEASE MEASURES

After spillage/leakage:

Scoop into containers. Flush residual with plenty of

water.

See Section 8 for protective equipment information.

See Section 13 for disposal information.

#### 7. HANDLING AND STORAGE

Special Precautions:

No special precautions required.

Packaging requirements:

Paper bag (minimum 3 ply), or other industrial

container designed for powders and granulated

materials.

Ventilation:

Provide ventilation to keep airborne concentrations

below exposure limits.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:

Use NIOSH approved respirator with dust and mist

protection (color coded gray or 3M 8710).

Eye protection:

Chemical splash goggles.

Hand protection:

Impervious gloves made of: PVC Butyl

Skin protection:

Clean, body-covering clothing.

Exposure Limit Guidelines (mg/m3)

No components have established exposure limits.

Dust particles: total = 10 mg/m3, respirable fraction = 5 mg/m3.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:

Powder

Color:

White

Odor:

None

pH value:

11.6 (at 10.6 g/l)

Boiling point:

Decomposes 2912"F

Pour point:

1564°F

Vapor pressure:

Not applicable

Relative density (specific gravity):

2.5 (68°F)

Bulk Density (solids):

Not determined

Solubility in water:

210 g/l (68°F)

Viscosity:

Not applicable

Relative Vapor Density (air≈1):

Not applicable

% Volatile:

Not determined

Nature

Alkaline

JAN 12'00

16:41 No.008 P.04

DOWELL PRODUCT CODE:

M003

Effective Date:

ırch-1997

10. STABILITY AND REACTIVITY

Stability:

Stable.

Conditions to avoid:

Not determined

Materials to avoid:

Acids

Hazardous Polymerization:

Will not occur.

Dust explosion hazard (solids):

Not applicable.

Special hazards:

None.

Hazardous decomposition products:

None.

11. TOXICOLOGICAL INFORMATION

Eve contact:

Irritant, May cause pain, redness, discomfort,

Skin contact:

No effect expected. Prolonged or repeated contact

may cause mild irritation.

Inhalation:

No effect expected. Prolonged or repeated exposure

may cause mild irritation. LC50 (mouse) = 2300

mg/kg.

Ingestion:

No effect expected. Swallowing large amounts may

cause illness, LD50 (rats) = 4090 mg/kg.

Carcinogenicity:

Not listed by IARC, USA NTP, or USA OSHA.

Mutagenicity:

Not known to cause heritable genetic damage.

Teratogenicity:

Not known to cause birth defects.

Target organs which may be affected:

None known.

Sensitization:

Not known to cause allergic reaction.

Other:

None.

12. ECOLOGICAL INFORMATION

Information on product as a whole:

Main environmental hazards:

None known.

Degradability:

Not applicable

Fish Toxicity:

Low toxicity to fish. Not determined

Acute invertebrates toxicity: Growth Inhibition (algae):

Not determined

Other:

None known.

13. DISPOSAL CONSIDERATIONS

Product:

Hazardous waste landfill. Material may be acceptable in some sanitary landfills; check local regulations.

Container:

Send empty bags to sanitary landfill. Render other types of containers unuseable by puncturing or

crushing and sanitary landfill unless prohibited by local

regulations.

USA EPA RCRA:

None.

14. TRANSPORT INFORMATION

ICC Tariff Classification

Compound, Gas or Oil Well Drilling

ICC Item Number:

138640

ICC Class:

50 LTL

TL

JAN 12'00

16:41 No.008 P.05

DOWELL PRODUCT CODE:

M003

Effective Date.

arch-1997

CERCLA RQ:

Not established.

Department of Transportation (DOT)

Designation:

Not Regulated

Hazard Class:

Not Regulated

Shipping Name:

Not Regulated

DOT Label:

Canadian Shipments

Shipping Name:

Not Regulated

Label:

Classification:

Package Group:

PIN:

none

### 15, REGULATORY INFORMATION

Notification/restrictions status:

USA:

All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting.

CANADA:

All components of this material are on the Canada DSL, or the components are exempt from inventory reporting.

This product contains no chemicals subject to the USEPA reporting requirements of SARA 313. The USEPA CERCLA Reportable Quantity (RQ) for this product as a whole is: Not established.

Canadian WHMIS classification: D2B

#### 16. OTHER INFORMATION

Sections affected by last revision:

EXPOSURE CONTROLS/PERSONAL PROTECTION

*Mark of Schlumberger. The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Dowell regarding the accuracy or completeness of the information.

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pirtict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

A. .: c. NM 87410

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

|             |                                          | REQUEST FOR AP                                     | PROVAL TO                | ACCEPT                      | SOLI     | DWASTE                                                                             |
|-------------|------------------------------------------|----------------------------------------------------|--------------------------|-----------------------------|----------|------------------------------------------------------------------------------------|
| 1. F        | RCRA Exempt: 🔯                           | Non-Exempt:                                        | Dunny                    | Fourt<br>8:00               | 4.       | Generator Phillips Patrolone                                                       |
| ٧           | erbal Approval Recei                     | ved: Yes 🖂                                         | No 🔲                     | 9,00 d.ul                   |          | Originating Site Phillips Ped. 29.6 #52 A =                                        |
| 2. N        | lanagement Facility [                    | <b>Destination</b> Envirote<br>Facili              | ch Soil Re<br>ty Landfar | emedia.<br>cm #2            |          | Transporter Dawa                                                                   |
| 3. A        | ddress of Facility Op                    |                                                    | lighway 64<br>n, NM 8740 | )1                          | 8.       | State Dow Mapt co                                                                  |
| 7. L        | ocation of Material (S                   | Street Address or ULSTF                            | 7                        |                             |          |                                                                                    |
| 9. <u>C</u> | Circle One:                              |                                                    |                          |                             |          |                                                                                    |
|             | PROVE the mater<br>listing or testing wi | pproval to accept non-exital is not-hazardous and  | the Generator's          | certification               | of orig  | ed by necessary chemical analysis to jin. No waste classified hazardous by nsport. |
| BRIE        | F DESCRIPTION OF                         | MATERIAL:                                          |                          |                             |          |                                                                                    |
|             | Soud, C                                  | pal forces, an                                     | d residi                 | en gen                      | hool-    | men Hydrocarbon                                                                    |
|             | Colon                                    | ination from                                       | a Sa                     | lt wat                      | ār e     | men Hydrocaubon<br>disposition                                                     |
| Estima      | ې<br>ated Volume ———                     | 5 cy Known Vole                                    | ume (to be entere        | B 2000<br>CEIVED<br>COM DIV | <b>y</b> | the end of the haul) ————— cy                                                      |
| SIGN        | ATURE: 4006                              | Au Brown                                           | TITLE: La                | andfarm Ma                  | anager   | DATE: 02./8.09                                                                     |
| TYPE        | Waste Manag                              | gement FacilityAuthorized Agent<br>Harlan M. Brown |                          | TELE                        | EPHON    | IE NO                                                                              |
| APP         | ROVED BY:                                | se)  y 2. Foin                                     |                          | Geolog                      | ,157     | DATE: 2/22/00                                                                      |

Donny Foust Warland approval 62.18.00 9:00

### **CERTIFICATE OF WASTE STATUS**

, \$<u>\$</u>

| Generator Name and Address:                                                      | 2. Destination Name:                                |  |  |  |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------|--|--|--|--|
| Phillips Petroleum Co.                                                           | Envirotech Landfarm                                 |  |  |  |  |
| 5525 HWY 64, NEBU 3004                                                           | NM Highway 44                                       |  |  |  |  |
| Farmington, N.M. 87401                                                           | Hilltop, NM                                         |  |  |  |  |
|                                                                                  | rimtop, 1441                                        |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| 3. Originating Site (Name):                                                      |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| San Juan 29-6 # 52 A                                                             |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| 4. Source and Description of Waste:                                              |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| <45 cubic yards of condensate contaminat                                         | ted soil. 100 bbl. condonarra Total                 |  |  |  |  |
| •                                                                                |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| I, Robert A. Wirtanen                                                            | representative for:                                 |  |  |  |  |
| (Print Name)                                                                     |                                                     |  |  |  |  |
| (======,                                                                         |                                                     |  |  |  |  |
| Phillip's Petroleum Comp                                                         | do hereby                                           |  |  |  |  |
| certify that, according to the Resource Conse                                    |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| Protection Agency's July, 1998, regulatory de (Check appropriate classification) | etermination, the above described waste is:         |  |  |  |  |
| (Check appropriate classification)                                               | `                                                   |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| V EVENDT cilculations to                                                         | NON EVENDE differed make which is                   |  |  |  |  |
| X EXEMPT oilfield waste                                                          | NON-EXEMPT oilfield waste which is                  |  |  |  |  |
|                                                                                  | zardous by characteristic analysis or by            |  |  |  |  |
|                                                                                  | t identification and that nothing has been          |  |  |  |  |
| added t                                                                          | o the exempt non-hazardous waste defined            |  |  |  |  |
| above.                                                                           |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| For EXEMPT waste only, the following                                             | For NON-EXEMPT waste only, the following            |  |  |  |  |
| documentation is attached (check appropriate items)                              | documentation is attached (check appropriate items) |  |  |  |  |
|                                                                                  | MSDS Information                                    |  |  |  |  |
| NORM Survey                                                                      | TCLP Analysis                                       |  |  |  |  |
| TCLP Analysis                                                                    | Chain of Custody                                    |  |  |  |  |
| <u> </u>                                                                         | NORM Survey                                         |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  | Other (description)                                 |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
|                                                                                  |                                                     |  |  |  |  |
| Name (Original Signature):                                                       |                                                     |  |  |  |  |
| 1.00.00                                                                          |                                                     |  |  |  |  |
| Title: Sr. Safety and Environmental Officer                                      |                                                     |  |  |  |  |
| Date: 2/18/00                                                                    |                                                     |  |  |  |  |

District I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District 1 - (505) 748-1283 811 S. First Artesia, NM 88210 vrict III - (505) 334-6178 Rio Brazos Road ~~c, NM 87410

District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division **RECEIVED**

2040 South Pacheco Street Santa Fe, New Mexico 87505

(505) 827-7131

FFR 3 2 2000

Submit Original Plus 1 Copy to appropriate District Office

Form C-138

Originated 8/8/95

Env.

TEnvironmental Bureau Oil Conservation Division

| REQUEST | FOF | APPRO | VAL TO | ACCEPT | SOLID | WASTE |
|---------|-----|-------|--------|--------|-------|-------|
|         |     |       |        |        |       |       |

| TIEGOEOTT OTTALT TO ACCEPT SOLID WAS TE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                            |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|--|--|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4. Generator Cathodic Protection Services                                                  |  |  |  |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site                                                                        |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Taland.                                                                     |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8. State How Alexaico                                                                      |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | S=c 31, T26N, R12W                                                                         |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                            |  |  |  |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accept negative; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accept non-exempt wastes must be accept non-exempt wastes must be accept non-exempt wastes must be accept non-exempt wastes must be acceptable.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | companied by necessary chemical analysis to on of origin. No waste classified hazardous by |  |  |  |
| All transporters must certify the wastes delivered are only those consigne BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | a for transport.                                                                           |  |  |  |
| TYPE OR PRINT NAME:  Her and waste from S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From S. And Land From | erator at the end of the Mayl)                                                             |  |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |  |  |  |
| APPROVED BY: Deny Go Tout TITLE: Go los                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9/5/ DATE: 3/22/00                                                                         |  |  |  |
| APPROVED BY: Martines of Tinks TITLE: Environm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Aul Geologist DATE: 2/23/00                                                                |  |  |  |

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

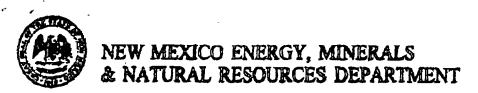
2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Rio Brazos Road
Lic, NM 87410
District IV - (505) 827-7131

|                               | Env. JN  | :   | <br>_ |
|-------------------------------|----------|-----|-------|
|                               |          |     |       |
| EQUEST FOR APPROVAL TO ACCEPT | SOLID WA | STE |       |
|                               |          |     |       |

| REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: ☑                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Generator Cathodic Protection Sovoices                                                  |  |  |  |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                              | 5. Originating Site CP. week                                                               |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia<br>Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                | 6. Transporter Taland.                                                                     |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                           | 8. State How Hexico.                                                                       |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                 | Sec 31, T26N, RIZW                                                                         |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                            |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be acceptancy; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be acceptance.</li> <li>PROVE the material is not-hazardous and the Generator's certification is listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | companied by necessary chemical analysis to on of origin. No waste classified hazardous by |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Soil cuttons and water from 5  to construct a cuthodic Protect  (under dust pollative on acco                                                                                                                                                                                                                                                                                                     | perator at the end of the haul)                                                            |  |  |  |  |
| SIGNATURE: Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TE                                                                                                                                                                                                                                                                                                                                     | Manager DATE: 62.17.00  LEPHONE NO                                                         |  |  |  |  |
| (This space for State Use)  APPROVED BY: 1 Config Fam TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                | 9/3/ DATE: 2/22/00                                                                         |  |  |  |  |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                                                                               | DATE:                                                                                      |  |  |  |  |



OIL CONSERVATION DIVISION AZTED DISTRICT OFFICE 1880 RIG BRAZOS ROAD AZTEC, NEW MEXICO SY416 1888) 334-8118 Par (303)334-8178

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:  CATHODIC PROTECTION SERVICES  JO26 N. SULLIVAN  FINEMINISTON, NM 87494      | Euvirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64. Farmington, NM 87601 |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 3. Originating Site (name):                                                                                 | Location of the Waste (Street address &/or ULSTR):                                                                          |
| RIZW, TWP 26N, Sec. 31                                                                                      | 1                                                                                                                           |
| IN SAN JUAN COUNTY, N.M.                                                                                    |                                                                                                                             |
| Attach list of originating sites as appropriate                                                             |                                                                                                                             |
| 4. Source and Description of Waste                                                                          |                                                                                                                             |
| WATER AND MUD                                                                                               |                                                                                                                             |
|                                                                                                             |                                                                                                                             |
| 1. JOHN CAYFORD  (Print Name)                                                                               | representative for:                                                                                                         |
| (Print Name)                                                                                                |                                                                                                                             |
| ATHORIC MESTECTION SERVICES                                                                                 | wery Act (RCRA) and Environmental Protection Agency's July,                                                                 |
| analysis.  and that nothing has been added to the exempt or                                                 |                                                                                                                             |
| For NON-EXEMPT waste the following document MSDS Information RCRA Hazardous Waste Analysis Chain of Custody | V Other (description): KNOWLEDGE OF PROCES                                                                                  |
| This waste is in compliance with Regulated Levela (<br>to 20 NMAC 3.1 subpart 1403.C and D.                 | of Naturally Occurring Rediosctive Material (NORM) pursuant                                                                 |
| Name (Original Signature):                                                                                  |                                                                                                                             |
| Title:                                                                                                      |                                                                                                                             |
| Title:                                                                                                      |                                                                                                                             |

Marries (205) 393-6166 'O. 5 1980 1066 NM 88241-1960 Matrice II - (505) 74 11 S. First utesia, NM 88210 trict III - (505) 3 Rio Brazos Road

)istrict IV - (505) 827-X[3]

### New Mexico Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

FEB 1 1 2000

Submit Original Plus I Čopy to appropriate District Office

Form C-138

Originated 8/8/95

Environmental Bureau Oil Conservation Division

99043-02 Env. JN:

TITLE: Environmel Codosi LDATE: 02/11/00

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                          | SOLID WASTE                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                           | 4. Generator Hanover Compression                                                          |
| Verbal Approval Received: Yes 🔲 No 🔀                                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site SHop                                                                  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                        | 6. Transporter Educatech                                                                  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                 | 8. State Dem Marico                                                                       |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                       | 1280 TROTICONS Red.<br>Formington, NU                                                     |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                          | ·                                                                                         |
| oily don't from Floor drain trend                                                                                                                                                                                                                                                                                                                                                       | <u>- د</u>                                                                                |
| Estimated Volume cy Known Volume (to be entered by the op                                                                                                                                                                                                                                                                                                                               | FEB 2000 RECEIVED OIL OBT. 3 4/12/0/                                                      |
| SIGNATURE: Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                          | Manager DATE: 02.09.00  EPHONE NO. 505-632-0615                                           |
| (This space for State Use)  APPROVED BY: Penny J. Kenny TITLE: Geol                                                                                                                                                                                                                                                                                                                     | 09/3/ DATE: 02/09/00                                                                      |

APPROVED BY:

New Mexico Ainerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

DATE:

| D::dct I - (505) 393-6                       | 161-1017    | John 1      |                         |
|----------------------------------------------|-------------|-------------|-------------------------|
| P. 0 30x 1980                                | \$0 mm      | 457         |                         |
| Hobbs, NM 88241 198                          | 0,          | Lnerg       | χN                      |
| District II - (505){7(48-                    | 1283        | , B         | M.                      |
| 811 S. First                                 | - 50n       | and i       |                         |
| Artesia, NM 882 Q.                           | EFFE        |             | <b>3</b>                |
| n' <del>udgi III</del> - (50 <u>\$) 3</u> 34 | ·01500000   | 7 Dia       | TAJ                     |
| Rio Brazos Road                              | L' GO       | * 3         | 3                       |
| c, NM 87410                                  | Cir. Off    | <b>)</b> .  | $\mathcal{Y}_{\!\!\!/}$ |
| District IV - (505) 827-                     | 7131        | ~\vec{1}{2} | IJ.                     |
| The second second                            | f           |             |                         |
| <i>y</i>                                     | מארונרלא אי | DEL NY      |                         |

| latrict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                                                                                                    | Env. JN: <u>77043-02</u>                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                              |
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4. Generator Hanguar Compression                                                         |
| Verbal Approval Received: Yes No 🖂                                                                                                                                                                                                                                                                                                                                                                                                                             | 5. Originating Site కట్రం                                                                |
| 2. Management Facility Destination $\begin{array}{c} Envirotech & Soil & Remedia. \\ Facility & Landfarm & \#2 \end{array}$                                                                                                                                                                                                                                                                                                                                    | 6. Transporter Eduinotech                                                                |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Dan Mayor's                                                                     |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                              | 1280 Tear King Rd.<br>Formington, NU                                                     |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommended accommendation; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommended accommendation.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:  oily dirt from Floor drain trend                                                                                                                                                                                                                                                                                                                                                                                               | <b>. .</b>                                                                               |
| Estimated Volume                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |
| (This space for State Use)  APPROVED BY: Demy J. Form TITLE: G-CO loc                                                                                                                                                                                                                                                                                                                                                                                          | DATE: 02/09/00                                                                           |

TITLE:



OIL CONSERVATION DIVISION AZTEO DISTRICT OFFICE 1408 RIO BRAZOS ROAD AZTEC, NEW MEXICO 27619 [504] 234-6178 Pax [804]224-6176

GARY E. JOHNSON GOVERNOR

IENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2. Destination Name:                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HANOVER COMPRESSOR GO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Envirotech Inc.                                                                                                                                                                                                                          |
| 1280 TROY KING RD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Soil Remediation Remediation Facility                                                                                                                                                                                                    |
| FARMINGTON NUM. 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Landfarm #2, Hilltop, New Mexico                                                                                                                                                                                                         |
| 3. Originating Sits (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5796 IIS Hwy 64 Farmington, NM 87401<br>Location of the Waste (Street address &/or ULSTR):                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1280 TROY KING RO.                                                                                                                                                                                                                       |
| HANDUER SHOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FARMINETON AM. 87401                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PARTITION & TOO JUST & JAVI                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                          |
| Attach But of originating sites as appropriate 4. Source and Description of Wasta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ·                                                                                                                                                                                                                                        |
| FLOOR DRAIN CATCH PIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                          |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                          |
| GRORGE PHILLIPS (Print Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ·                                                                                                                                                                                                                                        |
| D'AURGE PHILLIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | representative for:                                                                                                                                                                                                                      |
| HADOVER COMPRESSOR CL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | do hereby certify that,                                                                                                                                                                                                                  |
| sccording to the Resource Conservation and Recover<br>1988, regulatory determination, the above described to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | y Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                 |
| eccording to the Resource Conservation and Recover 1988, regulatory determination, the above described to EXEMPT oilfield waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | y Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                 |
| eccording to the Resource Conservation and Recover 1988, regulatory determination, the above described to EXEMPT oilfield waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | y Act (RCRA) and Environmental Protection Agency's July, Nasta is: (Check appropriate classification)  PT cilfield wasta which is non-hazardous by characteristic by product identification                                              |
| eccording to the Resource Conservation and Recover 1988, regulatory determination, the above described to EXEMPT oilfield waste NON-EXEM analysis or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | y Act (RCRA) and Environmental Protection Agency's July, wasta is: (Check appropriate classification)  PT pilfield wasta which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  |
| EXEMPT cilfield waste  Indicate the Resource Conservation and Recovery 1988, regulatory determination, the above described to the exempt or not and that nothing has been added to the exempt or not for NON-EXEMPT waste the following documentation in the exempt of the exempt or not applicately the state of the exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not exempt or not | y Act (RCRA) and Environmental Protection Agency's July, wasta is: (Check appropriate classification)  PT pilitiald wasta which is non-hazardous by characteristic by product identification  -exampt non-hazardous wasta defined above. |
| EXEMPT cilfield waste  Indicate the Resource Conservation and Recovery 1988, regulatory determination, the above described to the exempt or indicate that nothing has been added to the exempt or not that nothing has been added to the exempt or not indicate the following documentation in the RCRA Hazardous Waste Analysis in Chain of Custody  This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | y Act (RCRA) and Environmental Protection Agency's July, wasta is: (Check appropriate classification)  PT pilfield wasta which is non-hazardous by characteristic by product identification                                              |
| EXEMPT cilifield waste  Indicate the Resource Conservation and Recovery 1988, regulatory determination, the above described to the exempt or normal that nothing has been added to the exempt or normal matter than the following documentation of RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of No 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | y Act (RCRA) and Environmental Protection Agency's July, wasta is: (Check appropriate classification)  PT pilfield wasta which is non-hazardous by characteristic by product identification                                              |
| EXEMPT cilfield waste  Indicate the Resource Conservation and Recovery 1988, regulatory determination, the above described to the exempt or indicate that nothing has been added to the exempt or not that nothing has been added to the exempt or not indicate the following documentation in the RCRA Hazardous Waste Analysis in Chain of Custody  This waste is in compliance with Regulated Levels of No. 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | y Act (RCRA) and Environmental Protection Agency's July, wasta is: (Check appropriate classification)  PT pilfield wasta which is non-hazardous by characteristic by product identification                                              |

January 28, 2000

Mr. George Phillips Hanover Compression, Inc. 1280 Troy King Road Farmington, NM 87401 Phone (505) 325-3220

Client No.: 99043 Job No.: 904302

Dear Mr. White,

Enclosed are the analytical results for the sample collected from the location designated as "Floor Drains - Shop". One soil sample was collected by Hanover Compression personnel on 1/21/00, and received by the Envirotech laboratory on 1/21/00 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals, Ingitability, Reactivity and Corrosivity.

The sample was documented on Envirotech Chain of Custody No. 7626 and assigned Laboratory Nos. G719 (Composite from Floor Drains) for tracking purposes.

The samples were analyzed 1/24/00 through 1/27/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, Envirotech. Inc.

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

enc.

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### SUSPECTED HAZARDOUS WASTE ANALYSIS

99043

01-24-00

01-21-00

01-21-00

Client: Hanover Compression Project #:
Sample ID: Composite from Floor Drains Date Reported:
Lab ID#: G719 Date Sampled:
Sample Matrix: Sludge Date Received:
Preservative: Cool Date Analyzed:

Preservative: Cool Date Analyzed: 01-24-00 Condition: Cool and Intact Chain of Custody: 7629

Parameter Result

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.73

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.

(i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Floor Drains - Shop.

Analyst (Review Review



### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| Client:            | Hanover Compression         | Project #:          | 99043    |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Composite from Floor Drains | Date Reported:      | 01-26-00 |
| Laboratory Number: | G719                        | Date Sampled:       | 01-21-00 |
| Chain of Custody:  | 7629                        | Date Received:      | 01-21-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 01-24-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 01-25-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

|                      | Detection     |        | Regulatory      |  |
|----------------------|---------------|--------|-----------------|--|
|                      | Concentration | Limit  | Limits          |  |
| Parameter            | (mg/L)        | (mg/L) | (mg/ <b>L</b> ) |  |
| Vinyl Chloride       | ND            | 0.0001 | 0.2             |  |
| 1,1-Dichloroethene   | ND            | 0.0001 | 0.7             |  |
| 2-Butanone (MEK)     | ND            | 0.0001 | 200             |  |
| Chloroform           | ND            | 0.0001 | 6.0             |  |
| Carbon Tetrachloride | ND            | 0.0001 | 0.5             |  |
| Benzene              | ND            | 0.0001 | 0.5             |  |
| 1,2-Dichloroethane   | ND ·          | 0.0001 | 0.5             |  |
| Trichloroethene      | ND            | 0.0003 | 0.5             |  |
| Tetrachloroethene    | ND            | 0.0005 | 0.7             |  |
| Chlorobenzene        | ND            | 0.0003 | 100             |  |
| 1,4-Dichlorobenzene  | ND            | 0.0002 | 7.5             |  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 98%              |
|                           | Bromofluorobenzene | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Floor Drains - Shop.

Analyst P. Openin

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### EPA METHOD 8040 PHENOLS

| Oliver 4           |                             | B :                 |          |
|--------------------|-----------------------------|---------------------|----------|
| Client:            | Hanover Compression         | Project #:          | 99043    |
| Sample ID:         | Composite from Floor Drains | Date Reported:      | 01-27-00 |
| Laboratory Number: | G719                        | Date Sampled:       | 01-21-00 |
| Chain of Custody:  | 7629                        | Date Received:      | 01-21-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 01-24-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 01-27-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | 0.054                   | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Floor Drains - Shop.

Analyst



### EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | Hanover Compression         | Project #:          | 99043    |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Composite from Floor Drains | Date Reported:      | 01-27-00 |
| Laboratory Number: | G719                        | Date Sampled:       | 01-21-00 |
| Chain of Custody:  | 7629                        | Date Received:      | 01-21-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 01-24-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 01-27-00 |
| Condition:         | Cool and Intact             | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |  |
|---------------------------|-----------|------------------|--|
|                           |           |                  |  |
|                           |           |                  |  |

2-fluorobiphenyl

100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Floor Drains - Shop.

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### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | Hanover Compression         | Project #:       | 99043       |
|--------------------|-----------------------------|------------------|-------------|
| Sample ID:         | Composite from Floor Drains | Date Reported:   | 01-26-00    |
| Laboratory Number: | G719                        | Date Sampled:    | 01-21-00    |
| Chain of Custody:  | 7629                        | Date Received:   | 01-21-00    |
| Sample Matrix:     | TCLP Extract                | Date Analyzed:   | 01-26-00    |
| Preservative:      | Cool                        | Date Extracted:  | 01-24-00    |
| Condition:         | Cool & Intact               | Analysis Needed: | TCLP metals |

|           |               | Det.   | Regulatory |
|-----------|---------------|--------|------------|
|           | Concentration | Limit  | Level      |
| Parameter | (mg/L)        | (mg/L) | (mg/L)     |
|           |               |        |            |
| Arsenic   | 0.407         | 0.001  | 5.0        |
| Barium    | 0.720         | 0.001  | 21         |
| Cadmium   | 0.025         | 0.001  | 0.11       |
| Chromium  | 0.024         | 0.001  | 0.60       |
| Lead      | 0.075         | 0.001  | 0.75       |
| Mercury   | ND            | 0.001  | 0.025      |
| Selenium  | ND            | 0.001  | 5.7        |
| Silver    | ND            | 0.001  | 0.14       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Floor Drains - Shop.

Analyst

Christin M Walters Review



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-26-00 |
| Laboratory Number: | 01-25-TCV        | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 01-25-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 100%             |
|                           | Bromofluorobenzene | 100%             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Analyst P. Oplean

Mistin M Walters



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC        | Project #:          | N/A      |
|--------------------|--------------|---------------------|----------|
| Sample ID:         | Method Blank | Date Reported:      | 01-26-00 |
| Laboratory Number: | 01-24-TCV    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 01-25-00 |
| Condition:         | N/A          | Date Extracted:     | 01-24-00 |
|                    |              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND "          | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter        | Percent Recovery |
|---------------------------|------------------|------------------|
|                           | Trifluorotoluene | 99%              |

Bromofluorobenzene

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

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## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 01-26-00 |
| Laboratory Number:  | G719             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 01-25-00 |
| Condition:          | N/A              | Date Extracted: | 01-24-00 |

|                      |        | Duplicate |           |            |
|----------------------|--------|-----------|-----------|------------|
|                      | Sample | Sample    | Detection |            |
|                      | Result | Result    | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | ND     | ND        | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND        | 0.0001    | 0.0%       |
| Benzene              | ND     | ND .      | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ИD     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample G719.

Analyst

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### **EPA METHODS 8010/8020** AROMATIC / HALOGENATED **VOLATILE ORGANICS QUALITY ASSURANCE REPORT**

Client:

QA/QC

Project #:

N/A

Sample ID:

Matrix Spike

Date Reported:

01-26-00

Laboratory Number:

G719

Date Sampled:

N/A

Sample Matrix:

**TCLP Extract** 

Date Received:

N/A

Analysis Requested:

**TCLP** N/A

Date Analyzed: Date Extracted: 01-25-00 01-24-00

Condition:

|       |       | Spiked |      |  |
|-------|-------|--------|------|--|
| ample | Spike | Sample | Det. |  |

| 1                    |        |        | Spiked |        |          | SW-846  |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
|                      | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |
| 1,4-Dichlorobenzene  | ND     | 0.050  | 0.0494 | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample G719.



# EPA METHOD 8040 PHENOLS Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-27-00 |
| Laboratory Number: | 01-27-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 01-27-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |               | Detection | Regulatory |
|-----------------------|---------------|-----------|------------|
|                       | Concentration | Limit     | Limit      |
| Parameter             | (mg/L)        | (mg/L)    | (mg/L)     |
| o-Cresol              | ND            | 0.020     | 200        |
| p,m-Cresol            | ND            | 0.040     | 200        |
| 2,4,6-Trichlorophenol | ND            | 0.020     | 2.0        |
| 2,4,5-Trichlorophenol | ND            | 0.020     | 400        |
| Pentachlorophenol     | ND            | 0.020     | 100        |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery | _] |
|-----------------------|----------------------|------------------|----|
| · .                   | 2-fluorophenol       | 98 %             |    |
|                       | 2,4,6-tribromophenol | 99 %             |    |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

aleu P. Ojenen Analyst

Mistini m Welter Review



## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 01-27-00 |
| Laboratory Number: | 01-24-TCA     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 01-24-00 |
| Condition:         | Cool & Intact | Date Analyzed:      | 01-27-00 |
|                    |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND                      | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Deur L. Grenn

Review



## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-27-00 |
| Laboratory Number: | G719             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | 01-24-00 |
| Condition:         | Cool & Intact    | Date Analyzed:      | 01-27-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | 0.054                      | 0.053                         | 0.040                        | 2.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachiorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter      | Maximum Difference |
|----------------------------|----------------|--------------------|
|                            | 8040 Compounds | 30.0%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Analyst . Openin

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## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-27-00 |
| Laboratory Number: | 01-27-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 01-27-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | · ND                    | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |  |
|---------------------------|-----------|------------------|--|
|                           |           |                  |  |

2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Den L. Openen

Misting Walter
Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| Client:            | QA/QC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 01-27-00 |
| Laboratory Number: | 01-24-TBN       | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 01-24-00 |
| Condition:         | Cool and Intact | Date Analyzed:      | 01-27-00 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| OAIOC Assessment Cuitamia | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
| QA/QC Acceptance Criteria | Parameter | rercent Recovery |
|                           |           |                  |
|                           |           |                  |

#### 2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Aleca L. Ojecia

Pristing Walters



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-27-00 |
| Laboratory Number: | G719             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 01-24-00 |
| Condition:         | N/A              | Date Analyzed:      | 01-27-00 |
| ·                  |                  | Analysis Requested: | TCLP     |

| Parameter           | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Percent<br>Difference | Det.<br>Limit<br>(mg/L) |
|---------------------|----------------------------|-------------------------------|-----------------------|-------------------------|
| Pyridine            | ND                         | ND                            | 0.0%                  | 0.020                   |
| Hexachloroethane    | ND                         | ND                            | 0.0%                  | 0.020                   |
| Nitrobenzene        | ND                         | ND                            | 0.0%                  | 0.020                   |
| Hexachlorobutadiene | ND                         | ND                            | 0.0%                  | 0.020                   |
| 2,4-Dinitrotoluene  | ND                         | ND                            | 0.0%                  | 0.020                   |
| HexachloroBenzene   | ND                         | ND                            | 0.0%                  | 0.020                   |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G719.

Allen L. Gencer

Misteriem Walter



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 01-26-TCM QA/QC | Date Reported:  | 01-26-00 |
| Laboratory Number:  | G719            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 01-26-00 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate<br>Conc. (mg/L) | Instrument<br>Blank | Method<br>Blank | Detection Limit | on Sample | Duplicate | 3 %<br>Diff. | Acceptance<br>Range |
|-----------------------------------|---------------------|-----------------|-----------------|-----------|-----------|--------------|---------------------|
| Arsenic                           | ND                  | ND              | 0.001           | 0.407     | 0.409     | 0.5%         | 0% - 30%            |
| Barium                            | ND                  | ND              | 0.001           | 0.720     | 0.722     | 0.3%         | 0% - 30%            |
| Cadmium                           | ND                  | ND              | 0.001           | 0.025     | 0.025     | 0.0%         | 0% - 30%            |
| Chromium                          | ND                  | ND              | 0.001           | 0.024     | 0.024     | 0.0%         | 0% - 30%            |
| Lead                              | ND                  | ND              | 0.001           | 0.075     | 0.074     | 1.3%         | 0% - 30%            |
| Mercury                           | ND                  | ND              | 0.001           | ND        | ND        | 0.0%         | 0% - 30%            |
| Selenium                          | ND                  | ND              | 0.001           | ND        | ND        | 0.0%         | 0% - 30%            |
| Silver                            | ND                  | ND              | 0.001           | ND        | ND        | 0.0%         | 0% - 30%            |

| Spike<br>Conc. (mg/L) | Spike<br>Added | Sampli (Sampli |       |        | Acceptance<br>Range |
|-----------------------|----------------|----------------|-------|--------|---------------------|
| Arsenic               | 0.500          | 0.407          | 0.906 | 99.9%  | 80% - 120%          |
| Barium                | 0.500          | 0.720          | 1.22  | 100.0% | 80% - 120%          |
| Cadmium               | 0.500          | 0.025          | 0.524 | 99.8%  | 80% - 120%          |
| Chromium              | 0.500          | 0.024          | 0.523 | 99.8%  | 80% - 120%          |
| Lead                  | 0.500          | 0.075          | 0.573 | 99.7%  | 80% - 120%          |
| Mercury               | 0.050          | ND             | 0.049 | 98.0%  | 80% - 120%          |
| Selenium              | 0.500          | ND             | 0.498 | 99.6%  | 80% - 120%          |
| Silver                | 0.500          | ND             | 0.499 | 99.8%  | 80% - 120%          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for sample G719.

nalyst

Beview Malter

### **CHAIN OF CUSTODY RECORD**

| Client / Project Name        |          |                 | Project Location |                                    |                       |                    |                      |                      |             |     |        |        |          |                                       |                                       |    |          |
|------------------------------|----------|-----------------|------------------|------------------------------------|-----------------------|--------------------|----------------------|----------------------|-------------|-----|--------|--------|----------|---------------------------------------|---------------------------------------|----|----------|
| Hanover Con                  | press    | i <del></del> - | Floor D          | ) Ruins                            | - Swop                | >                  |                      | 4                    |             | AI  | NALYSI | S/PARA | METERS   |                                       |                                       |    | 1        |
| Sampler:                     |          |                 | Client No.       |                                    |                       |                    | ω                    | W                    |             |     |        |        |          | Rei                                   | narks                                 |    |          |
| San Ray                      | 7~       |                 | 9964             | f3                                 |                       |                    | No. or<br>Containers | みせ                   |             |     |        |        | -        |                                       |                                       |    |          |
| Sample No./                  | Sample   | Sample          | Lab Number       |                                    | Sample                | 2                  | Con                  | 53                   |             | •   |        |        | -        |                                       |                                       | •  | $\dashv$ |
| Identification               | Date     | Time            | Lab Halliot.     |                                    | Matrix                |                    |                      |                      |             |     |        |        |          |                                       |                                       |    |          |
| Composite From Floor Daries  | 01.21.00 | 12:15           | G719             | <u>S</u>                           | lege                  | -                  | 1                    | /                    |             |     |        |        |          |                                       |                                       |    |          |
|                              |          |                 |                  |                                    |                       |                    |                      |                      |             |     | !      |        |          |                                       |                                       |    | ,<br>    |
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|                              |          |                 |                  |                                    |                       |                    |                      |                      |             |     |        |        |          |                                       |                                       |    |          |
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| Rosults                      |          |                 |                  |                                    | IROT                  |                    |                      |                      | <u>U</u> .  |     |        |        |          |                                       | Ereihi<br>Breihi                      |    |          |
| ATTU: G                      | edree    | Phillip         | PS.              |                                    |                       |                    |                      |                      | 72.97       |     |        |        |          |                                       | Υ                                     | N  | N/A      |
|                              |          |                 |                  |                                    | 5796 U.S<br>ington, N | _                  | -                    |                      | 1           |     |        |        | Recei    | ived Intact                           |                                       |    |          |
|                              |          |                 |                  |                                    | -                     | 632-0              |                      |                      |             |     |        |        | Cool - I | lce/Blue Ice                          |                                       |    |          |

District - (505) 393-6161 P. O. Sox 1980 Hobbs, NM 88241-1980 District-II - (505) 748-1285 8 S. First Artesia, NM 88210 " trict III - (505) 334-6) 78 Rio Brazos Road ~_-c, NM 87410 District IV - (505) 827-7134

New Mexico Monerals and Natural Resources Department Dil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

FFR 1 1 2000

RECEIVED

Environmental Bureau Oil Conservation Division Submit Original Plus I Čopy to appropriate District Office

Form C-138

Originated 8/8/95

Env. JN: 97057-23

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Verbal Approval Received: Yes ☐ No ☑                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Harting Congar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Esulvatuck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Now Hopeco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SESE, Sacilly TZTN, RGW 1810 Avriba County Nac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept olifield exempt wastes will be acceded and accept one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accessed and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ompanied by a certification of waste from the ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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District I - (505) 393-6161
P. O. Box 1980
Hobbo NM 88241-1980
District II - (505) 748-12833 2000 Energy N
811 S. First
Artesia, NM 88210
Protect III - (505) 334-6188
Rio Brazos Road
C, NM 87410
District IV - (505) 823-1031

### New Mexico Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 97057-23

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| REQUEST                                                                                                                                       | FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SOLID WASTE                                                                                                                            |
| 1. RCRA Exempt: Non-Exempt                                                                                                                    | Verbul to Hold  i 2. 21-99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4. Generator EPFS                                                                                                                      |
| Verbal Approval Received: Yes                                                                                                                 | s No 🔄 D.C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Harting Cong. Sta.                                                                                                 |
| 2. Management Facility Destination En                                                                                                         | virotech Soil Remedia.<br>Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6. Transporter Esuviolach                                                                                                              |
|                                                                                                                                               | 6 US Highway 64<br>mington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8. State Now Hapica                                                                                                                    |
| 7. Location of Material (Street Address                                                                                                       | or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SESE, Socib, TZ7N, RGW 1810 Arriba Courty Nac                                                                                          |
| 9. <u>Circle One</u> :                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
| Generator; one certificate per job B. All requests for approval to acce PROVE the material is not-hazard listing or testing will be approved. | <ul> <li>pt non-exempt wastes must be according to the according to the desired to the desired to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the according to the ac</li></ul> | ompanied by a certification of waste from the ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| All transporters must certify the waster                                                                                                      | s delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | d for transport.                                                                                                                       |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
| Clampot (ula                                                                                                                                  | - all spill from bu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | skan lowe on compressor                                                                                                                |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
|                                                                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                        |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
| Estimated Volume 40 cy K                                                                                                                      | Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | erator at the end of the haul) ————————————————————————————————————                                                                    |
| SIGNATURE: Waste Management FacilityAuthor                                                                                                    | TITLE: Landfarm M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | anager DATE: 02.09.00                                                                                                                  |
| TYPE OR PRINT NAME: Harlan M. B                                                                                                               | rown TEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EPHONE NO                                                                                                                              |
|                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
| (This space for State Use)                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                        |
| APPROVED BY: Deny of                                                                                                                          | Ferry TITLE: GCO log                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DATE: 02/09/00                                                                                                                         |
| APPROVED BY:                                                                                                                                  | TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DATE:                                                                                                                                  |

#### **CERTIFICATE OF WASTE STATUS**

| Generator Name and Address:                         | 2. Destination Name:                                        |
|-----------------------------------------------------|-------------------------------------------------------------|
| El Paso Field Services Co.                          | Envirotech Soil Remediation Facility                        |
| 614 Reilly Avenue                                   | Landfarm #2                                                 |
| Farmington, NM 87401                                | Hilltop, New Mexico                                         |
| 3. Originating Site (name): Location of Waste(S     | treet address &/or ULSTR):                                  |
| Martinez Canyon Compressor Station Rio Arriba       | County, New Mexico SE/4, SE/4, Section 16, T27N, R6W        |
|                                                     |                                                             |
| Attach list of originating sites as appropriate     |                                                             |
| Source and Description of Waste                     |                                                             |
| Soil contaminated with lube oil from gasket failure | ì                                                           |
|                                                     |                                                             |
|                                                     |                                                             |
|                                                     |                                                             |
| ı, David Bays                                       | representative for:                                         |
| (Print Name)                                        |                                                             |
| El Paso Field Services                              | Co do hereby certify that,                                  |
| according to the Resource Conservation and Recov    | very Act (RCRA) and Environmental Protection Agency's July, |
| 1988 regulatory determination, the above described  | Waste IS: (Check appropriate classification)                |
| EXEMPT Oilfield waste X NO                          | N-EXEMPT oilfield waste which is non-hazardous by           |
|                                                     | acteristic analysis or by product identification            |
| and that nothing has been added to the exempt or r  | non-hazardous waste defined above.                          |
|                                                     |                                                             |
| For NON-EXEMPT waste only, the following docum      | entation is attached (check appropriate items):             |
| MSDS Information                                    | Other (description)                                         |
| X RCRA Hazardous Waste An                           |                                                             |
| Chain of Custody                                    |                                                             |
| $\cap$                                              |                                                             |
| Name (Original Signature):                          | Bay                                                         |
|                                                     | · · · · · · · · · · · · · · · · · · ·                       |
| Title: Principal En                                 | vironmental Scientist                                       |
| Date: January 18,                                   | 2000                                                        |
|                                                     | ······································                      |



### SUSPECTED HAZARDOUS WASTE ANALYSIS

El Paso Field Service Client: Project #: 705723 Sample ID: Compressor Lube Upset Date Reported: 12-28-99 Lab ID#: G649 Date Sampled: 12-21-99 Sample Matrix: Soil Date Received: 12-21-99 Preservative: Cool Date Analyzed: 12-28-99 Condition: Cool and Intact Chain of Custody: 7608

**Parameter** 

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

pH = 8.82

**REACTIVITY:** 

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

Mantinez Canyon Compressor Station.

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#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| Client:            | EPFS                  | Project #:          | 705723   |
|--------------------|-----------------------|---------------------|----------|
| Sample ID:         | Compressor Lube Upset | Date Reported:      | 01-07-99 |
| Laboratory Number: | G649                  | Date Sampled:       | 12-21-99 |
| Chain of Custody:  | 7608                  | Date Received:      | 12-21-99 |
| Sample Matrix:     | TCLP Extract          | Date Extracted:     | 12-29-99 |
| Preservative:      | Cool                  | Date Analyzed:      | 01-07-00 |
| Condition:         | Cool & Intact         | Analysis Requested: | TCLP     |
|                    |                       |                     |          |

|                      | , , , , , , , , , , , , , , , , , , , | Detection | Regulatory |
|----------------------|---------------------------------------|-----------|------------|
|                      | Concentration                         | Limit     | Limits     |
| Parameter            | (mg/L)                                | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND                                    | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND                                    | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND                                    | 0.0001    | 200        |
| Chloroform           | ND                                    | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND                                    | 0.0001    | 0.5        |
| Benzene              | ND                                    | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND                                    | 0.0001    | 0.5        |
| Trichloroethene      | ND                                    | 0.0003    | 0.5        |
| Tetrachloroethene    | ND                                    | 0.0005    | 0.7        |
| Chlorobenzene        | ND                                    | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND                                    | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 98%              |
|                           | Bromofluorobenzene | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Mantinez Canyon Compressor Station.

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#### EPA METHOD 8040 PHENOLS

| Client:            | EPFS                  | Proiect #:          | 705723   |
|--------------------|-----------------------|---------------------|----------|
| Sample ID:         | Compressor Lube Upset | Date Reported:      | 01-07-00 |
| Laboratory Number: | G649                  | Date Sampled:       | 12-21-99 |
| Chain of Custody:  | 7608                  | Date Received:      | 12-21-99 |
| Sample Matrix:     | TCLP Extract          | Date Extracted:     | 12-29-99 |
| Preservative:      | Cool                  | Date Analyzed:      | 01-07-00 |
| Condition:         | Cool & Intact         | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Mantinez Canyon Compressor Station.



### EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | EPFS                  | Project #:          | 705723   |
|--------------------|-----------------------|---------------------|----------|
| Sample ID:         | Compressor Lube Upset | Date Reported:      | 01-07-00 |
| Laboratory Number: | G649                  | Date Sampled:       | 12-21-99 |
| Chain of Custody:  | 7608                  | Date Received:      | 12-21-99 |
| Sample Matrix:     | TCLP Extract          | Date Extracted:     | 12-29-99 |
| Preservative:      | Cool                  | Date Analyzed:      | 01-07-00 |
| Condition:         | Cool and Intact       | Analysis Requested: | TCLP     |
|                    |                       |                     |          |

| Parameter                    | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|------------------------------|-------------------------|-------------------------|-------------------------------|
| Denialina                    | AID                     | 0.020                   | F.0.                          |
| Pyridine<br>Hexachloroethane | ND<br>ND                | 0.020<br>0.020          | 5.0<br>3.0                    |
| Nitrobenzene                 | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene          | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene           | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene            | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |  |
|---------------------------|-----------|------------------|--|
|                           |           |                  |  |

2-fluorobiphenyl

99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

Mantinez Canyon Compressor Station.

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## EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

|                    |                       |                  | •           |
|--------------------|-----------------------|------------------|-------------|
| Client:            | EPFS                  | Project #:       | 705723      |
| Sample ID:         | Compressor Lube Upset | Date Reported:   | 01-10-00    |
| Laboratory Number: | G649                  | Date Sampled:    | 12-21-99    |
| Chain of Custody:  | 7608                  | Date Received:   | 12-21-99    |
| Sample Matrix:     | TCLP Extract          | Date Analyzed:   | 01-08-00    |
| Preservative:      | Cool                  | Date Extracted:  | 12-29-99    |
| Condition:         | Cool & Intact         | Analysis Needed: | TCLP metals |

| Parameter | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Level<br>(mg/L) |
|-----------|-------------------------|-------------------------|-------------------------------|
|           |                         |                         |                               |
| Arsenic   | ND                      | 0.001                   | 5.0                           |
| Barium    | 1.24                    | 0.001                   | 21                            |
| Cadmium   | ND                      | 0.001                   | 0.11                          |
| Chromium  | ND                      | 0.001                   | 0.60                          |
| Lead      | ND                      | 0.001                   | 0.75                          |
| Mercury   | ND                      | 0.001                   | 0.025                         |
| Selenium  | ND                      | 0.001                   | 5.7                           |
| Silver    | ND                      | 0.001                   | 0.14                          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Mantinez Canyon Compressor Station.

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# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:<br>Sample ID: | QA/QC<br>Laboratory Blank | Project #: Date Reported: | N/A<br>01-07-00 |
|-----------------------|---------------------------|---------------------------|-----------------|
| Laboratory Number:    | 01-07-TCLP VOL            | Date Sampled:             | N/A             |
| Sample Matrix:        | Water                     | Date Received:            | N/A             |
| Preservative:         | N/A                       | Date Analyzed:            | 01-07-00        |
| Condition:            | N/A                       | Analysis Requested:       | TCLP            |

|                      | 0             | Detection | Regulatory      |
|----------------------|---------------|-----------|-----------------|
|                      | Concentration | Limit     | Limits          |
| Parameter            | (mg/L)        | (mg/L)    | (mg/ <b>L</b> ) |
| Vinyl Chloride       | ND            | 0.0001    | 0.2             |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7             |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200             |
| Chloroform           | ND            | 0.0001    | 6.0             |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5             |
| Benzene              | ND            | 0.0001    | 0.5             |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5             |
| Trichloroethene      | ND            | 0.0003    | 0.5             |
| Tetrachloroethene    | ND            | 0.0005    | 0.7             |
| Chlorobenzene        | ND            | 0.0003    | 100             |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5             |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 100%             |
|                           | Bromofluorobenzene | 100%             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Allen L. Oylenn Analyst Mister M Wall



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC          | Project #:          | N/A      |
|--------------------|----------------|---------------------|----------|
| Sample ID:         | Method Blank   | Date Reported:      | 01-07-00 |
| Laboratory Number: | 12-29-TCLP VOL | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract   | Date Received:      | N/A      |
| Preservative:      | N/A            | Date Analyzed:      | 01-07-00 |
| Condition:         | N/A            | Date Extracted:     | 12-29-99 |
|                    |                | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |   |
|---------------------------|-----------|------------------|---|
|                           |           |                  | _ |

Trifluorotoluene Bromofluorobenzene 99% 98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Deur L. Office

Mistin Midalla Review



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 01-07-00 |
| Laboratory Number:  | G649             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 01-07-00 |
| Condition:          | N/A              | Date Extracted: | 12-29-99 |

|                      |        | Duplicate |           |            |
|----------------------|--------|-----------|-----------|------------|
|                      | Sample | Sample    | Detection |            |
|                      | Result | Result    | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | ND     | ND        | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND        | 0.0001    | 0.0%       |
| Benzene              | ND     | ND        | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample G649.

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Review



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:

QA/QC

Project #:

N/A

Sample ID:

Matrix Spike

Date Reported:

01-07-00

Laboratory Number:

G649

Date Sampled: N/A

Sample Matrix:

TCLP Extract Date Received:

N/A

Analysis Requested: Condition:

TCLP N/A Date Analyzed: Date Extracted: 01-07-00 12**-**29-99

|                      |        |        | Spiked |        |          | SW-846  |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
|                      | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 47-132  |
| Chloroform `         | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |
| 1,4-Dichlorobenzene  | ND     | 0.050  | 0.0494 | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample G649.

Rev



#### EPA METHOD 8040 PHENOLS

#### Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-07-00 |
| Laboratory Number: | 01-07-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 01-07-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |                         | Detection       | Regulatory      |
|-----------------------|-------------------------|-----------------|-----------------|
| Parameter             | Concentration<br>(mg/L) | Limit<br>(mg/L) | Limit<br>(mg/L) |
| o-Cresol              | ND                      | 0.020           | 200             |
| p,m-Cresol            | ND                      | 0.040           | 200             |
| 2,4,6-Trichlorophenol | ND                      | 0.020           | 2.0             |
| 2,4,5-Trichlorophenol | ND                      | 0.020           | 400             |
| Pentachlorophenol     | ND                      | 0.020           | 100             |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Alexan L. apercan

Muster m Woster Review



### EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 01-07-00 |
| Laboratory Number: | 12-29-TCA     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 12-29-99 |
| Condition:         | Cool & Intact | Date Analyzed:      | 01-07-00 |
|                    |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND                      | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Alexa L. Greece



### EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-07-00 |
| Laboratory Number: | G629             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP_Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | 12-29-99 |
| Condition:         | Cool & Intact    | Date Analyzed:      | 01-07-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter      | Maximum Difference |
|----------------------------|----------------|--------------------|
|                            | 8040 Compounds | 30.0%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Mistini M Waeles
Review

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Analyst Cycles



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-07-00 |
| Laboratory Number: | 01-07-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 01-07-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

#### 2-fluorobiphenyl

97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Alexan L. Operen



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| •                  |                 | •                   |          |
|--------------------|-----------------|---------------------|----------|
| Client:            | QA/QC           | Project #:          | N/A      |
| Sample ID:         | Method Blank    | Date Reported:      | 01-07-00 |
| Laboratory Number: | 12-29-TBN       | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 12-29-99 |
| Condition:         | Cool and Intact | Date Analyzed:      | 01-07-00 |
|                    | •               | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

#### 2-fluorobiphenyl

97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Allen L. Ofen

Review Mh beter



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-07-00 |
| Laboratory Number: | G629             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 12-29-99 |
| Condition:         | N/A              | Date Analyzed:      | 01-07-00 |
|                    |                  | Analysis Requested: | TCLP     |

|                     | Sample<br>Result | Duplicate<br>Result | Percent    | Det.<br>Limit |
|---------------------|------------------|---------------------|------------|---------------|
| Parameter           | (mg/L)           | (mg/L)              | Difference | (mg/L)        |
| Pyridine            | ND               | ND                  | 0.0%       | 0.020         |
| Hexachioroethane    | ND               | ND                  | 0.0%       | 0.020         |
| Nitrobenzene        | ND               | ND                  | 0.0%       | 0.020         |
| Hexachlorobutadiene | ND               | ND                  | 0.0%       | 0.020         |
| 2,4-Dinitrotoluene  | ND               | ND                  | 0.0%       | 0.020         |
| HexachloroBenzene   | ND               | ND                  | 0.0%       | 0.020         |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G649.

Analyst

Review Moetes



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 01-08-TCM QA/QC | Date Reported:  | 01-10-00 |
| Laboratory Number:  | G649            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 01-08-00 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate | Instrument | Method | Detection | n Sampl | e Duplica | te %  | Acceptance |
|-------------------|------------|--------|-----------|---------|-----------|-------|------------|
| Conc. (mg/L)      | Blank      | Blank  | Limit     |         |           | Diff. | Range      |
| Arsenic           | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Barium            | ND         | ND     | 0.001     | 1.24    | 1.23      | 0.8%  | 0% - 30%   |
| Cadmium           | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Chromium          | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Lead              | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Mercury           | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Selenium          | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |
| Silver            | ND         | ND     | 0.001     | ND      | ND        | 0.0%  | 0% - 30%   |

| Spike<br>Conc. (mg/L) | Spike<br>Added | Samp | le Spiked<br>Sample | Percent | Acceptance<br>Range |
|-----------------------|----------------|------|---------------------|---------|---------------------|
| Arsenic               | 0.500          | ND   | 0.499               | 99.8%   | 80% - 120%          |
| Barium                | 0.500          | 1.24 | 1.73                | 99.4%   | 80% - 120%          |
| Cadmium               | 0.500          | ND   | 0.498               | 99.6%   | 80% - 120%          |
| Chromium              | 0.500          | ND   | 0.497               | 99.4%   | 80% - 120%          |
| Lead                  | 0.500          | ND   | 0.499               | 99.8%   | 80% - 120%          |
| Mercury               | 0.050          | ND   | 0.049               | 98.0%   | 80% - 120%          |
| Selenium              | 0.500          | ND   | 0.497               | 99.4%   | 80% - 120%          |
| Silver                | 0.500          | ND   | 0.498               | 99.6%   | 80% - 120%          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for sample G649.

Analyst

Review

### CHAIN OF CUSTODY RECORD

| Client / Project Name<br>EPFS |                |                | Project Location MANTINEZ Canyon Compressor Station ANALYSIS / PAR |               |                                |        |                      | / PARA                              | RAMETERS  |      |          |   |             |            |                 |                                              |              |
|-------------------------------|----------------|----------------|--------------------------------------------------------------------|---------------|--------------------------------|--------|----------------------|-------------------------------------|-----------|------|----------|---|-------------|------------|-----------------|----------------------------------------------|--------------|
| Sampler:                      | , Brow         | ړ ، ۸          | Client No.<br>9 7057                                               | - a3          |                                |        | No. of<br>Containers | 15CP                                |           |      |          |   |             | R          | emarks          |                                              |              |
| Sample No./<br>Identification | Sample<br>Date | Sample<br>Time | Lab Number                                                         |               | Sample<br>Matrix               |        | Cont                 | 53                                  |           |      |          |   |             |            |                 |                                              | $\dashv$     |
| Compressorlule                | (2.21.99       | 11:50          | G649                                                               | 5             | soi (                          |        | 1                    |                                     |           |      |          |   |             |            |                 |                                              |              |
|                               |                |                |                                                                    |               |                                |        |                      |                                     |           |      |          |   |             |            |                 |                                              | -<br>        |
|                               |                |                |                                                                    |               |                                |        |                      |                                     |           |      |          |   |             |            |                 |                                              |              |
|                               |                |                |                                                                    |               |                                |        |                      |                                     | ·         |      |          |   |             |            |                 |                                              |              |
|                               |                |                |                                                                    |               |                                |        |                      |                                     |           |      |          |   |             |            | •               |                                              |              |
|                               |                |                |                                                                    | Date          | Time.                          |        |                      |                                     |           |      |          |   |             |            | 2-4-            |                                              | <del>-</del> |
| Relinquished by: (Signatu     | Brows          | $\geq$         |                                                                    | Date 12.21.99 | Time /7:30                     |        | hris                 | (Signatu<br><u>tun'</u><br>(Signatu | W         | cete | <u>u</u> |   | <del></del> | 13         | Date<br>: 21.99 | Time<br>17:3                                 |              |
| Relinquished by: (Signate     | ure)           |                |                                                                    |               |                                | Receiv | /ed by:              | (Signatu                            | ire)      |      | <u> </u> | · |             |            |                 |                                              |              |
|                               |                |                |                                                                    | ENV           | IRO                            | TEC    | CH                   |                                     | <u>C.</u> |      |          |   |             | Sample     | 7               | <u>'                                    </u> |              |
|                               |                |                |                                                                    |               | 5796 U.S<br>ington, N<br>(505) |        | lexico               |                                     | 1         |      |          |   |             | ved Intact | V               | , N                                          | N/A          |

District L. (505) 393-616 P.O. 900 1980 H. 6s, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Prict III - (505) 334-6

Rio Brazos Road

c, NM 87410.

New Mexico FEDERS Munerals and Natural Resources Department

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OIL GON. DIV

Oil Conservation Division 2040 South Pacheco Street

FER 1 1 2000

Environmental Bureau

Submit Original Plus I Čopv to appropriate District Office

Form C-138

Originated 8/8/95

Santa Fe, New Mexico 87505 (505) 827-7131

Oll Conservation Division Env. JN: 92132

| rict IV · (505) 827-7131                                                                                                                                                                                                | Env. JN: 92432                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                          | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                             | 4. Generator Halliburton E.S.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Verbal Approval Received: Yes No No                                                                                                                                                                                     | 5. Originating Site Main Land                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                        | 6. Transporter Eavirateal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                 | 8. State New Warico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                       | 4109 E. Main<br>Formination Dem Maroico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3. Circle One:                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                             | d for transport.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Estimated Volume Company cy Known Volume (to be entered by the op                                                                                                                                                       | FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 2000  FEB 20 |
| SIGNATURE: Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TEI                                                                                                                          | Manager DATE: 02.09.00  EPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| APPROVED BY: Montage, Office - TITLE: Engirone                                                                                                                                                                          | ag 15/ DATE: 02/09/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

District 1: (505) 393-6161 P. O. Box 1980

District IV - (505) 827-7 13

Hobbs, NM 88241-1980 C District II - (505) 748-1283 811 S. First

RECEIVED Artesia, NM 88210 D' - vrice III - (505) 334 61,78 Rio Brazos Road ~_.c, NM 87410

OR CON DIV

DIST. 3

New Mexico

Energy Minerals and Natural Resources Department

FEB 200 ED Oil Conservation Division

2040 South Pacheco Street

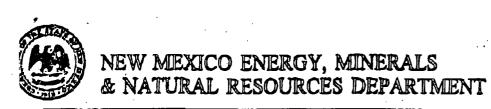
Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 92132

| REQUEST FOR APPRO                                                                                                                                                        | OVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                       |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                            | 4. Generator Hallibarton E.S.                                                                                                                                                                                                    |  |  |  |  |
| Verbal Approval Received: Yes 🔲 N                                                                                                                                        | 10 ☑ 5. Originating Site Main Paul                                                                                                                                                                                               |  |  |  |  |
| 2. Management Facility Destination Envirotech Facility                                                                                                                   | Soil Remedia.  Landfarm #2  6. Transporter Eavirotel.                                                                                                                                                                            |  |  |  |  |
| 3. Address of Facility Operator 5796 US High Farmington,                                                                                                                 | NM 87/01 8. State 12 eas L(                                                                                                                                                                                                      |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                        | 4109 E. Main<br>Farmington, Den Maroico                                                                                                                                                                                          |  |  |  |  |
| 9. Circle One:                                                                                                                                                           |                                                                                                                                                                                                                                  |  |  |  |  |
| Generator; one certificate per job.  B. All requests for approval to accept non-exempt PROVE the material is not-hazardous and the Clisting or testing will be approved. | B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                           | Solias.                                                                                                                                                                                                                          |  |  |  |  |
|                                                                                                                                                                          |                                                                                                                                                                                                                                  |  |  |  |  |
| Estimated Volume Co cy Known Volume (                                                                                                                                    | to be entered by the operator at the end of the haul) ————————————————————————————————————                                                                                                                                       |  |  |  |  |
| SIGNATURE: How Brown Waste Management Facility Authorized Agent                                                                                                          | TITLE: Landfarm Manager DATE: 02.00.00                                                                                                                                                                                           |  |  |  |  |
| TYPE OR PRINT NAME: Harlan M. Brown                                                                                                                                      | TELEPHONE NO                                                                                                                                                                                                                     |  |  |  |  |
| (This space for State Use) APPROVED BY: Deny J. Lanf                                                                                                                     | TITLE: Geologia DATE: 02/09/00                                                                                                                                                                                                   |  |  |  |  |
| APPROVED BY:                                                                                                                                                             | TITLE: DATE:                                                                                                                                                                                                                     |  |  |  |  |



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIQ BRAZUS ROAD AZTEC, NEW MEXICO 37410 (305) 334-5178 Fax (305)334-5170

GARY E. JOHNSON GOVERNOR

IENNIFER A. SALISBURY CABINET SECRETARY

#### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>.</u>                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 111 000,014101 1101110 01114 71001,0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2. Destination Name:                                                                                                                                                                                                                                 |
| Dave do Day "Il MI I CC"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Envirotech Inc.                                                                                                                                                                                                                                      |
| Hous Hedges "Halldenton ES"<br>4109 E ast Main Fermington 57401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Soil Remediation Remediation Facility                                                                                                                                                                                                                |
| 1 4109 East Their Fernantia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401                                                                                                                                                                                |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 111.                                                                                                                                                                                                                                                 |
| Hallebouta Evergy Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | es 4109 East Whan                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Formerster M May 87401                                                                                                                                                                                                                               |
| Attach list of originating altae as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1/16/ 8/401                                                                                                                                                                                                                                          |
| 4. Source and Description of Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
| Wash Rock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
| Und Wit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                      |
| End Wut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
| DAUG HANGES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | representative for:                                                                                                                                                                                                                                  |
| I, DOUG HODGES (Print Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | representative for                                                                                                                                                                                                                                   |
| HALLIBURTON ENERGY SERVIC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | हर do hereby certify that,                                                                                                                                                                                                                           |
| according to the Resource Conservation and Recove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ry Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
| 1988, regulatory determination, the above described                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Waste is: (Check appropriate classification)                                                                                                                                                                                                         |
| EXEMPT oilfield waste X NON-EXEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification                                                                                                                  |
| EXEMPT oilfield waste X NON-EXEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification) IPT oilfield waste which is non-hazardous by characteristic by product identification                                                                                                                   |
| EXEMPT oilfield waste X NON-EXEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification) IPT oilfield waste which is non-hazardous by characteristic by product identification                                                                                                                   |
| EXEMPT oilfield waste X NON-EXEM analysis or and that nothing has been added to the exempt or no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification)  IPT cilifield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.                                                                    |
| EXEMPT cilfield waste  Analysis or and that nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):                       |
| EXEMPT cilfield waste  ANON-EXEM  analysis or  and that nothing has been added to the exempt or no  For NON-EXEMPT waste the following documenta  MSDS Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.                                                                     |
| EXEMPT cilfield waste  Analysis or and that nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt or nothing has been added to the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazerdous by characteristic by product identification  n-exempt non-hazerdous waste defined above.  Ition is attached (check appropriate items):                       |
| EXEMPT cilfield waste  analysis or analysis or and that nothing has been added to the exempt or no  For NON-EXEMPT waste the following documentation  MSDS Information  RCRA Hazardous Waste Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazerdous by characteristic by product identification  n-exempt non-hazerdous waste defined above.  Ition is attached (check appropriate items):                       |
| EXEMPT oilfield waste  analysis or analysis or analysis or analysis or and that nothing has been added to the exempt or no For NON-EXEMPT waste the following documentates  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |
| EXEMPT oilfield waste  analysis or  and that nothing has been added to the exempt or no  For NON-EXEMPT waste the following documenta  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):                       |
| EXEMPT oilfield waste  analysis or  and that nothing has been added to the exempt or no  For NON-EXEMPT waste the following documenta  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |
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| EXEMPT oilfield waste  analysis or and that nothing has been added to the exempt or no For NON-EXEMPT waste the following documenta  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of It to 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |
| EXEMPT oilfield waste  analysis or and that nothing has been added to the exempt or no  For NON-EXEMPT waste the following documental  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of Ito 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |
| EXEMPT oilfield waste  analysis or and that nothing has been added to the exempt or no and that nothing has been added to the exempt or no For NON-EXEMPT waste the following documentates of MSDS Information  RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of It to 20 NMAC 3.1 subpart 1403.C and D.  Name (Original Signature):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |
| EXEMPT cilfield waste  ANON-EXEM analysis or and that nothing has been added to the exempt or no For NON-EXEMPT waste the following documenta  MSDS Information  RCRA Hazardous Waste Analysis Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | waste is: (Check appropriate classification)  IPT oilfield waste which is non-hazardous by characteristic by product identification  n-exempt non-hazardous waste defined above.  Ition is attached (check appropriate items):  Other (description): |



#### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

Printed Name

Doug Hooges

Title / Agency

Address

Signature

Date

January 28, 1999

Mr. Ed Shannon Halliburton Energy Services, Inc. 4109 East Main Street Farmington, New Mexico 87401

Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, Envirotech, Inc.

Stacy W. Sendler

Environmental Scientist/Laboratory Manager

tacy W Sendler

enc.

SWS/sws

92132/tclp0199.lb1

Project No.: 92132



### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:

Halliburton

Project #:

92132 --

Sample ID:

Wash Bay Solids

Date Reported:

01-15-99

Lab ID#:

E499

Date Sampled:

01-13-99

Sample Matrix:

Soil

Date Received:

01-13-99

Preservative:

Cool

Date Analyzed:

01-15-99

Condition:

Cool and Intact

Chain of Custody:

6498

**Parameter** 

Result

**IGNITABILITY:** 

**Negative** 

**CORROSIVITY:** 

**Negative** 

pH = 7.98

REACTIVITY:

**Negative** 

**RCRA Hazardous Waste Criteria** 

**Parameter** 

**Hazardous Waste Criterion** 

**IGNITABILITY**:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

East Main, Farmington.

Analyst

Review

Stacy W Sendler



#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| 1                  |                 |                     |          |
|--------------------|-----------------|---------------------|----------|
| Client:            | Halliburton _   | Project #:          | 92132    |
| Sample ID:         | Wash Bay Solids | Date Reported:      | 01-19-99 |
| Laboratory Number: | E499            | Date Sampled:       | 01-13-99 |
| Chain of Custody:  | 6498            | Date Received:      | 01-13-99 |
| Sample Matrix:     | Soil            | Date Extracted:     | 01-18-99 |
| Preservative:      | Cool            | Date Analyzed:      | 01-19-99 |
| Condition:         | Cool & Intact   | Analysis Requested: | TCLP     |
|                    |                 |                     |          |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
| <b>40 140 1100 ptanio</b> |           |                  |

Trifluorotoluene Bromofluorobenzene

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

East Main, Farmington.

Analyst L. Ojem.

Stacy W Sender
Review

98%

99%



#### EPA METHOD 8040 PHENOLS

| Client:            | Halliburton     | Project #:          | 92132      |
|--------------------|-----------------|---------------------|------------|
| Sample ID:         | Wash Bay Solids | Date Reported:      | 01-21-99   |
| Laboratory Number: | E499            | Date Sampled:       | 01-13-99   |
| Chain of Custody:  | 6498            | Date Received:      | 01-13-99   |
| Sample Matrix:     | Soil            | Date Extracted:     | 01-18-99 ~ |
| Preservative:      | Cool            | Date Analyzed:      | 01-21-99   |
| Condition:         | Cool & Intact   | Analysis Requested: | TCLP       |

| Parameter             | Concentration (mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|----------------------|------------------------------|-------------------------------|
| o-Cresol              | 0.123                | 0.020                        | 200                           |
| p,m-Cresol            | 0.054                | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | 0.060                | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                   | 0.020                        | 400                           |
| Pentachlorophenol     | 0.556                | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

East Main, Farmington.

Analyst

Review

Stacy W Sendler



### EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | Halliburton     | Project #:          | 92132    |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Wash Bay Solids | Date Reported:      | 01-22-99 |
| Laboratory Number: | E499            | Date Sampled:       | 01-13-99 |
| Chain of Custody:  | 6498            | Date Received:      | 01-13-99 |
| Sample Matrix:     | Soil            | Date Extracted:     | 01-18-99 |
| Preservative:      | Cool            | Date Analyzed:      | 01-21-99 |
| Condition:         | Cool and Intact | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | 0.054                   | 0.020                   | 5.0                           |
| Hexachloroethane    | 0.353                   | 0.020                   | <b>3.0</b> _                  |
| Nitrobenzene        | 0.202                   | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND .                    | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| 0.1100.1                  | D 1          | D                |
|---------------------------|--------------|------------------|
| QA/QC Acceptance Criteria | Parameter .  | Percent Recovery |
| way a Acceptance Ontena   | i didilictor | , croom recovery |
|                           |              |                  |

#### 2-fluorobiphenyl

98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

East Main, Farmington.

Allem L. Greece

Stacy W Sender



## EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | Halliburton     | Project #:       | 92132       |
|--------------------|-----------------|------------------|-------------|
| Sample ID:         | Wash Bay Solids | Date Reported:   | 01-23-99    |
| Laboratory Number: | E499            | Date Sampled:    | 01-13-99    |
| Chain of Custody:  | 6498            | Date Received:   | 01-13-99    |
| Sample Matrix:     | Soil            | Date Analyzed:   | 01-23-99    |
| Preservative:      | Cool            | Date Extracted:  | 01-18-99    |
| Condition:         | Cool & Intact   | Analysis Needed: | TCLP metals |
|                    |                 | Det.             | Regulatory  |
|                    | Concentration   | Limit            | Level       |
| Parameter          | (mg/L)          | (mg/L)           | (mg/L)      |
| Arsenic            | <b>ND</b>       | 0.0001           | 5.0         |
| Barium             | 1.53            | 0.001            | 21          |
| Cadmium            | 0.0329          | 0.0001           | 0.11        |
| Chromium           | 0.0301          | 0.0001           | 0.60        |
| Lead               | 0.0309          | 0.0001           | 0.75        |
| Mercury            | ND              | 0.0001           | 0.025       |
| Selenium           | ND              | 0.0001           | 5.7         |
| Silver             | ND              | 0.0001           | 0.14        |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by

GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

East Main, Farmington.

Analyst

Review

tacy W Sendler



## QUALITY ASSURANCE / QUALITY CONTROL

**DOCUMENTATION** 



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-19-99 |
| Laboratory Number: | 01-19-TCV-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 01-19-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
| •                    | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | <b>0.7</b> |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 100%             |
|                           | Bromofluorobenzene | 100%             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Analyst Queen

Review Stacy W Sendler



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC        | Project #:          | N/A      |
|--------------------|--------------|---------------------|----------|
| Sample ID:         | Method Blank | Date Reported:      | 01-19-99 |
| Laboratory Number: | 01-18-TV-MB  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 01-19-99 |
| Condition:         | N/A          | Date Extracted:     | 01-18-99 |
| •                  |              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| OAIOO Assessance College                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Danamada. | Porcont Poccyony |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|
| QA/QC Acceptance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Parameter | Percent Recovery |
| - Control of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s |           |                  |
| L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                  |

Trifluorotoluene Bromofluorobenzene 99% 98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

plen L. Geren

Stacy W Sender



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A        |
|---------------------|------------------|-----------------|------------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 01-19-99   |
| Laboratory Number:  | E499             | Date Sampled:   | N/A        |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A        |
| Analysis Requested: | TCLP             | Date Analyzed:  | " 01-19-99 |
| Condition:          | N/A              | Date Extracted: | N/A        |
|                     |                  |                 |            |

|                      |        | Duplicate |           |            |
|----------------------|--------|-----------|-----------|------------|
|                      | Sample | Sample    | Detection |            |
|                      | Result | Result    | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND        | 0.0001    | 0.0%       |
| 1.1-Dichloroethene   | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | ND     | ND        | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND        | 0.0001    | 0.0%       |
| Benzene              | ND     | ND .      | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples E499 and E503.

Analyst

Review Stacy W Sendler



#### **EPA METHODS 8010/8020** AROMATIC / HALOGENATED **VOLATILE ORGANICS** QUALITY ASSURANCE REPORT

Client:

QA/QC

Matrix Spike

Project #:

N/A

Sample ID: Laboratory Number:

E499

Date Reported:

01-19-99

Sample Matrix:

**TCLP Extract** 

Date Sampled: Date Received: N/A

N/A

N/A

Analysis Requested:

**TCLP** 

Date Analyzed: Date Extracted: 01-19-99

Condition:

N/A

| Parameter                           | Sample<br>Result<br>(mg/L) | Spike<br>Added<br>(mg/L) | Spiked<br>Sample<br>Result<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Percent<br>Recovery | SW-846<br>% Rec.<br>Accept.<br>Range |
|-------------------------------------|----------------------------|--------------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|
| Vinyl Chloride                      | ND                         | 0.050                    | 0.0495 _                             | 0.0001                  | 99%                 | 28-163                               |
| 1,1-Dichloroethene 2-Butanone (MEK) | ND<br>ND                   | 0.050<br>0.050           | 0.0494<br>0.0495                     | 0.0001<br>0.0001        | 99%<br>99%          | 43-143<br>47-132                     |

| Chloroform           | ND | 0.050 | 0.0498 | 0.0007 | 700% | 49-133 |
|----------------------|----|-------|--------|--------|------|--------|
| Carbon Tetrachloride | ND | 0.050 | 0.0491 | 0.0001 | 98%  | 43-143 |
| Benzene              | ND | 0.050 | 0.0498 | 0.0001 | 100% | 39-150 |
| 1,2-Dichloroethane   | ND | 0.050 | 0.0494 | 0.0001 | 99%  | 51-147 |
| Trichloroethene      | ND | 0.050 | 0.0494 | 0.0003 | 99%  | 35-146 |
| Tetrachloroethene    | ND | 0.050 | 0.0494 | 0.0005 | 99%  | 26-162 |
| Chlorobenzene        | ND | 0.050 | 0.0494 | 0.0003 | 99%  | 38-150 |
| 1,4-Dichlorobenzene  | ND | 0.050 | 0.0494 | 0.0002 | 99%  | 42-143 |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples E499 and E503.

Stacy W Sendler



## EPA METHOD 8040 PHENOLS

## Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 01-21-99 |
| Laboratory Number: | 01-21-TCA-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 01-21-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |               | Detection | Regulatory |
|-----------------------|---------------|-----------|------------|
| -                     | Concentration | Limit     | Limit      |
| Parameter             | (mg/L)        | (mg/L)    | (mg/L)     |
| o-Cresol              | ND            | 0.020     | 200        |
| p,m-Cresol            | ND            | 0.040     | 200        |
| 2,4,6-Trichlorophenol | ND            | 0.020     | 2.0        |
| 2,4,5-Trichlorophenol | ND            | 0.020     | 400        |
| Pentachlorophenol     | ND .          | 0.020     | 100        |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Analyst . Cyline

Stacy W Sendler



### EPA METHOD 8040 PHENOLS

#### **Quality Assurance Report**

|                    |                 | •                   |          |
|--------------------|-----------------|---------------------|----------|
| Client:            | QA/QC           | Project #:          | Ñ/A      |
| Sample ID:         | Method Blank    | Date Reported:      | 01-21-99 |
| Laboratory Number: | 01-18-TCA-MB    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extraction | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 01-18-99 |
| Condition:         | Cool & Intact   | Date Analyzed:      | 01-21-99 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter             | Concentration (mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|----------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                   | 0.020                   | 200                           |
| p,m-Cresol            | ND .                 | 0.040                   | · 200                         |
| 2,4,6-Trichlorophenol | ND                   | 0.020                   | 2.0                           |
| 2,4,5-Trichiorophenol | ND                   | 0.020                   | 400                           |
| Pentachlorophenol     | ND                   | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Analyst

Stacy W Sendler
Review



#### EPA METHOD 8040 PHENOLS

#### **Quality Assurance Report**

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-21-99 |
| Laboratory Number: | E499.            | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | N/A      |
| Condition:         | Cool & Intact    | Date Analyzed:      | 01-21-99 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | 0.123                      | 0.122                         | 0.020                        | 1.0%                  |
| p,m-Cresol            | 0.054                      | 0.053                         | 0.040                        | 2.0%                  |
| 2,4,6-Trichlorophenol | 0.060                      | 0.059                         | 0.020                        | 1.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | 0.556                      | 0.551                         | 0.020                        | 0.8%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter | Maximum Difference |
|----------------------------|-----------|--------------------|
|                            |           |                    |

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Alexan L. Queen



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

Client: QA/QC Project #: N/A Date Reported: 01-22-99 Sample ID: Laboratory Blank 01-21-TBN - Blank Date Sampled: N/A Laboratory Number: Sample Matrix: Hexane Date Received: N/A Preservative: N/A Date Extracted: N/A Condition: N/A Date Analyzed: 01-21-99 Analysis Requested: TCLP

| Parameter           | Concentration (mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|----------------------|-------------------------|-------------------------------|
|                     |                      |                         | _                             |
| Pyridine            | ND                   | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                   | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                   | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                   | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                   | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                   | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| 0.14 . 3 .                | <b>5</b>    | Danage Danage      |
|---------------------------|-------------|--------------------|
| QA/QC Acceptance Criteria | Parameter   | Percent Recovery   |
| WAVED Acceptance Officia  | r aranieter | i ciccii itcoorciy |
|                           |             |                    |

#### 2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Deur L. Grener

Stacy W Sendler
Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics - QUALITY ASSURANCE REPORT-

| Client:            | QAVQC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 01-22-99 |
| Laboratory Number: | 01-18-TBN-MB    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 01-18-99 |
| Condition:         | Cool and Intact | Date Analyzed:      | 01-21-99 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
|                     | AID.                    | 0.000                   |                               |
| Pyridine            | ND.                     | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

|                             |           | ·                  |
|-----------------------------|-----------|--------------------|
|                             | B 4       | Danie - 4 Danie    |
| TIDA/DC ACCANTANCA CINTANIA | Parameter | Percent Recovery   |
| QA/QC Acceptance Criteria   | rarameter | I CICCIL IXCCOVCIA |
|                             |           |                    |

#### 2-fluorobiphenyl

95%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Seun P. Queun

Stacy W sender
Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 01-22-99 |
| Laboratory Number: | E499             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 01-18-99 |
| Condition:         | N/A              | Date Analyzed:      | 01-21-99 |
|                    |                  | Analysis Requested: | TCLP     |

|                     | Sample | Duplicate |            | Det.   |  |
|---------------------|--------|-----------|------------|--------|--|
| •                   | Result | Result    | Percent    | Limit  |  |
| Parameter           | (mg/L) | (mg/L)    | Difference | (mg/L) |  |
| Pyridine            | 0.054  | 0.053     | 1.0%       | 0.020  |  |
| Hexachloroethane    | 0.353  | 0.349     | 1.0%       | 0.020  |  |
| Nitrobenzene        | 0.202  | 0.200     | 0.9%       | 0.020  |  |
| Hexachlorobutadiene | ND     | ND        | 0.0%       | 0.020  |  |
| 2,4-Dinitrotoluene  | ND     | ND        | 0.0%       | 0.020  |  |
| HexachloroBenzene   | ND     | ND        | 0.0%       | 0.020  |  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples E499 and E503.

Den L. ajeun

Stacy W Sender
Review



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:            |  |
|--------------------|--|
| Sample ID:         |  |
| Laboratory Number: |  |
| Sample Matrix:     |  |

QA/QC 01-23-TCM QA/QC E449 Project #:
Date Reported:
Date Sampled:
Date Received:

N/A 01-23-99 N/A N/A 01-23-99

Analysis Requested: Condition:

TCLP Extract TCLP Metals N/A

Date Analyzed: Date Extracted:

N/A

| Girana E. Jupili a di<br>Conca muka |    |    | (Calculation | Sancie | Duplicate | ne.  | ALCOVIDED S |
|-------------------------------------|----|----|--------------|--------|-----------|------|-------------|
| Arsenic                             | ND | ND | 0.0001       | ND     | ND        | 0.0% | 0% - 30%    |
| Barium                              | ND | ND | 0.001        | 1.53   | 1.53      | 0.0% | 0% - 30%    |
| Cadmium                             | ND | ND | 0.0001       | 0.0329 | 0.0324    | 1.5% | 0% - 30%    |
| Chromium                            | ND | ND | 0.0001       | 0.0301 | 0.0300    | 0.3% | 0% - 30%    |
| Lead                                | ND | ND | 0.0001       | 0.0309 | 0.0307    | 0.6% | 0% - 30%    |
| Mercury                             | ND | ND | 0.0001       | ND     | ND        | 0.0% | 0% - 30%    |
| Selenium                            | ND | ND | 0.0001       | ND     | ND        | 0.0% | 0% - 30%    |
| Silver                              | ND | ND | 0.0001       | ND     | ND        | 0.0% | 0% - 30%    |

| Arsenic  | 0.1000 | ND     | 0.0997 | 99.7%  | 80% - 120% |
|----------|--------|--------|--------|--------|------------|
| Barium   | 1.000  | 1.53   | 2.53   | 100.0% | 80% - 120% |
| Cadmium  | 0.0500 | 0.0329 | 0.0826 | 99.6%  | 80% - 120% |
| Chromium | 0.0500 | 0.0301 | 0.0802 | 100.1% | 80% - 120% |
| Lead     | 0.1000 | 0.0309 | 0.131  | 99.8%  | 80% - 120% |
| Mercury  | 0.0250 | ND     | 0.0248 | 99.2%  | 80% - 120% |
| Selenium | 0.1000 | ND     | 0.0998 | 99.8%  | 80% - 120% |
| Silver   | 0.0500 | ND     | 0.0499 | 99.8%  | 80% - 120% |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples E499 and E503.

nalvet

Review

Macy W Sendler

## **CHAIN OF CUSTODY RECORD**

| Client / Project Name         |                |                 | Project Location  EAST Main  FARMINGTON |                  |                     | ANALYSIS / PARAMETERS                 |            |           |                         |              |                                                  |  | `` |                                       |            |       |                          |
|-------------------------------|----------------|-----------------|-----------------------------------------|------------------|---------------------|---------------------------------------|------------|-----------|-------------------------|--------------|--------------------------------------------------|--|----|---------------------------------------|------------|-------|--------------------------|
| HALLBURTON                    |                |                 | FARMINGTON                              |                  |                     | <b>A</b>                              |            |           |                         |              | ,                                                |  |    |                                       |            |       |                          |
| Sampler:                      |                |                 | Client No.                              |                  |                     |                                       | 20         | w         |                         |              |                                                  |  |    | •                                     | Remarks    |       | ı                        |
| moni D.                       | you            | <u>~</u>        | 921                                     | 32               |                     | S                                     | Containers | CP C      |                         |              |                                                  |  |    | · · · · · · · · · · · · · · · · · · · |            |       |                          |
| Sample No./<br>Identification | Sample<br>Date | (Sample<br>Time | Lab Number                              |                  | Sample<br>Matrix    | Ž                                     | ပိ         | 7c        |                         |              |                                                  |  |    |                                       |            |       |                          |
| Whom Bay Socios               | 1/13/9         | 12:10           | E499                                    | 50               | iL                  |                                       | 1          |           | `                       | ļ            | ļ                                                |  |    | 1                                     |            |       |                          |
| :                             |                |                 |                                         |                  |                     |                                       |            |           |                         |              | -                                                |  |    |                                       |            |       | 1                        |
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|                               |                |                 |                                         |                  |                     |                                       |            |           |                         |              |                                                  |  |    |                                       | :          |       | 1                        |
|                               |                |                 |                                         |                  |                     |                                       |            |           |                         |              |                                                  |  |    |                                       | •          | !     |                          |
|                               |                |                 |                                         |                  |                     |                                       |            |           |                         |              |                                                  |  |    |                                       |            |       |                          |
|                               |                |                 |                                         |                  |                     | ·                                     |            |           |                         | ļ            | ļ.,                                              |  | ļ  |                                       | j          |       |                          |
|                               | -              | ļ               |                                         |                  |                     |                                       |            | ļ         |                         |              |                                                  |  |    |                                       |            |       |                          |
|                               |                |                 |                                         |                  |                     |                                       |            |           |                         |              |                                                  |  |    |                                       | }          |       |                          |
| Relinquished by: (Signatu     |                |                 |                                         | Date             | Time                | Receive                               |            |           |                         |              |                                                  |  |    |                                       | Date       | T     | îme                      |
| Moui V                        | you.           | <del></del>     |                                         | 1/13/9           | 12:3                |                                       |            | <u>L</u>  |                         | etu          | <del></del>                                      |  |    |                                       | 1.13.9     | 9 12  | :30                      |
| Relinquished by: (Signati     | n(e)           | <u> </u>        |                                         |                  |                     | Receive                               | d by:      | (Signat   | ure)                    |              |                                                  |  |    |                                       |            |       |                          |
| Relinquished by: (Signati     | ure)           |                 |                                         |                  |                     | Receive                               | d by:      | : (Signat | ure)                    |              |                                                  |  |    |                                       |            |       | programme and the second |
|                               |                |                 |                                         | F ₀ \ | /IRO                | TFC                                   | 汁          | IIN       | $\overline{\mathbf{C}}$ | <del></del>  |                                                  |  |    | Sam                                   | ple Receip | ot .  | · <del></del> -          |
|                               |                |                 |                                         |                  |                     | e e e e e e e e e e e e e e e e e e e |            |           |                         |              |                                                  |  |    |                                       | Y          | N     | N                        |
|                               |                |                 |                                         |                  | 5796 U.<br>nington, |                                       |            |           | )1                      |              |                                                  |  | Re | ceived Inte                           | act v      | 1     |                          |

(505) 632-0615

District I (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pirtict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 مد

# New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                          |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: 61.17.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4. Generator EPFS                    |  |  |  |  |
| Verbal Approval Received: Yes 🔼 No 🗌                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Track 8-3 4-12.0 |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Environtal            |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Down Alapico                |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | "A", 529, T3(1), RQW 5JC. DW.        |  |  |  |  |
| 9. Circle One:  A. All requests for approval to accept olifield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and Social Quality by Class of PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and PHC' & Produced wastes delivered and  |                                      |  |  |  |  |
| Estimated Volume 500 cy Known Volume (to be entered by the open SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |  |  |  |  |
| APPROVED BY: Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the Confidence of the | 91'S DATE: 2/1/2000                  |  |  |  |  |

| Generator Name and Address:                                                         | 2. Destination Name:                                                                                |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| El Paso Field Services Co.                                                          | Envirotech Soil Remediation Facility                                                                |
| 614 Reilly Avenue                                                                   | Landfarm #2                                                                                         |
| Farmington, NM 87401                                                                | Hilltop, New Mexico                                                                                 |
| Originating Site (name):                                                            | Location of Waste(Street address &/or ULSTR):                                                       |
| Trunk B-3 Y-1 Drip Tank                                                             | Unit A, Section 29, T31N, R9W, San Juan Co., NM                                                     |
| Attach list of originating sites as appropriate  4. Source and Description of Waste |                                                                                                     |
| Soil contaminated with produced water and hydroc                                    | arbons                                                                                              |
| Con containmated with produced water and hydroc                                     |                                                                                                     |
|                                                                                     |                                                                                                     |
|                                                                                     |                                                                                                     |
| ı, David Bays                                                                       | representative for:                                                                                 |
| (Print Name)                                                                        |                                                                                                     |
| El Paso Field Services                                                              | Co. do hereby certify that,                                                                         |
|                                                                                     | very Act (RCRA) and Environmental Protection Agency's July,                                         |
|                                                                                     | N-EXEMPT oilfield waste which is non-hazardous by racteristic analysis or by product identification |
| and that nothing has been added to the exempt or                                    | non-hazardous waste defined above.                                                                  |
| For <b>NON-EXEMPT</b> waste only, the following docur                               | nentation is attached (check appropriate items):                                                    |
| MSDS Information RCRA Hazardous Waste And Chain of Custody                          | Other (description) alysis                                                                          |
| Name (Original Signature):                                                          | il Ban                                                                                              |
| Title: Principal E                                                                  | nvironmental Scientist                                                                              |
| Date: January 18                                                                    | 3, 2000                                                                                             |

District 2 - (505) 393-6161 P. O. Box 1980 Hebbs, NM 88241-1980 District II - (505) 748-1883 811 S. First Artesia, NM 88210

" udct III - (505) 33

Rio Brazos Road

#### New Mexico inerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate

(505) 827-7131 Env. JN:

District Office 97057

| trict IV - (505) 827-7(3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Env. JN: <u>97057</u>                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SOLID WASTE                                                                       |
| 1. RCRA Exempt: Non-Exempt: G1・10・00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Generator EPFS                                                                 |
| Verbal Approval Received: Yes No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5. Originating Site Chaco Pig Rocas                                               |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6. Transporter Philips 6.5.                                                       |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8. State Now Blogico                                                              |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sac ZI, TZGA, RIZW<br>Saw Jaan Counte Duy                                         |
| <ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accepted accep</li></ul> | companied by necessary chemical analysis to                                       |
| All transporters must certify the wastes delivered are only those consigne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ed for transport.                                                                 |
| Soil generated duing a leaning of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (Received NWEAR LO<br>020800).                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| Estimated Volume 2 b cy Known Volume (to be entered by the or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | perator at the end of the haul)                                                   |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm  Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Manager         DATE:         02.09.00           LEPHONE NO.         505-632-0615 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE: 02/0900<br>26 Instruct DATE: 02/08/200                                      |

01.10.00
10:25
Danny Foust
provided we have
certified latter
from Tribe.

| Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2. Destination Name:                             |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--|--|--|--|
| El Paso Field Services Co.                                                                                                                                                                                                                                                                                                                                                                                                                                     | Environce Sail Remodiation Facility              |  |  |  |  |
| 614 Reilly Avenue                                                                                                                                                                                                                                                                                                                                                                                                                                              | Envirotech Soil Remediation Facility Landfarm #2 |  |  |  |  |
| Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hilltop, New Mexico                              |  |  |  |  |
| 3. Originating Site (name): Lindrith to Chaco Pig Receiver Sec. 21, T26N, R12W San Juan County, NM Attach list of originating sites as appropriate  4. Source and Description of Waste Soil with hydrocarbons and water from pige                                                                                                                                                                                                                              | Location of Waste(Street address &/or ULSTR):    |  |  |  |  |
| ı, Scott Pope                                                                                                                                                                                                                                                                                                                                                                                                                                                  | representative for:                              |  |  |  |  |
| (Print Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                   | representative for.                              |  |  |  |  |
| El Paso Field Services Co.  according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)  X EXEMPT Oilfield waste  NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification  and that nothing has been added to the exempt or non-hazardous waste defined above. |                                                  |  |  |  |  |
| For NON-EXEMPT waste only, the following docum  MSDS Information  RCRA Hazardous Waste And                                                                                                                                                                                                                                                                                                                                                                     | Other (description)                              |  |  |  |  |
| Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |  |  |  |  |
| Name (Original Signature):                                                                                                                                                                                                                                                                                                                                                                                                                                     | -Por                                             |  |  |  |  |
| Title: Senior Env                                                                                                                                                                                                                                                                                                                                                                                                                                              | ironmental Scientist                             |  |  |  |  |
| Date: //6/2000                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |  |  |  |  |

## THE **NAVAJO NATION**

#### NAVAJO NATION ENVIRONMENTAL PROTECTION AGENCY GROUNDWATER POLLUTION CONTROL PROGRAM P.O. BOX 1979 SHIPROCK, NM 87420-1979 PH(505)368-1040,1041 FAX(505)368-1042

FEB 08'00

P. O. BOX 9000 • WINDOW ROCK, ARIZONA 86515 (602) 871-6000

ALBERT A. HALE PRESIDENT

THOMAS E. ATCITTY VICE PRESIDENT

April 25, 1995

Ms. Sandra Miller El Paso Natural Gas Company P.O. Box 4990 Farmington, New Mexico 87499

Re: Unlined Pit Closure Plan for pits on Navajo Lands

Dear Ms. Miller:

The Navajo Environmental Protection Agency has completed a review of the unlined pit closure plan submitted by El Paso Natural Gas Company dated January 19, 1994. We have a list of unlined pit locations dated March 29,1993 that EPNG submitted to US EPA as an "Inventory of Unlined Pits Located on Navajo Lands".

It is my understanding from conversations with EPNG staff that the inventory is inaccurate. In addition, we are unable to confirm many of the pit locations to be on Navajo lands. Please review the inventory and submit within 30 days a corrected list of pit locations and a topographic map showing all pit locations on Navajo lands.

Discharge must cease to those pits located within the original vulnerable area within one year of the effective date of the BLM closure guidelines, which occurred on January 15, 1995. The Navajo Nation EPA required that those pits be closed by that date as well. All unlined pits located on Navajo lands within the expanded vulnerable area are to closed by January 15, 1997. Please submit within 45 days a schedule for closure of all unlined pits by that date.

Since the pits are located on pipe line right-of-way leases, the Bureau of Indian Affairs shares the responsibility for approval of pit closure plans and activities. Navajo EPA will coordinate with BIA on monitoring and review of pit closure operations, however, relevant correspondence to BIA or other agencies should be copied to this office for expeditious review and response.

The closure plans have been accepted and approved by Navajo EPA with the conditions specified below and the stipulations listed in the enclosure:

- 1. Submit to Navajo EPA all closure plans, notices, and reports for remedial and closure actions required under the BLM/Navajo EPA Unlined Surface Impoundments Closure Guidelines. Related correspondence submitted to BIA, BLM, NMOCD, or other agencies shall be provided concurrently to Navajo EPA, Shiprock office (Attn. Jim Walker).
- 2. Navajo EPA must be notified by the operator of any site assessment, remediation, and closure activity on Navajo lands scheduled by the operator. Notification shall be at least 72 hours in advance of any planned operation so that a Navajo EPA inspector can arrange to witness and monitor these activities. Navajo EPA must be notified immediately if ground water is encountered or there is a reasonable probability of ground water contamination at a specific site.
- 3. Navajo EPA reserves the right to determine the location of any unlined pit on Navajo lands, relative to its position in or out of the vulnerable area and expanded vulnerable area as defined in NMOCC order No. R-7940-C.
- 4. Reference to NMOCD in the Pit Closure Plan should be replaced by "Navajo EPA and US EPA" for closure of unlined pits on Navajo lands, except in reference to NMOCD permitted landfarms. Navajo EPA and US EPA guidelines and standards for pit closure are described in the BLM/Navajo EPA "Unlined Surface Impoundment Closure Guidelines".
- 5. If soil contamination still exceeds the standard for BTEX, Benzene, and TPH after excavation to the maximum extent practicable, in-situ measures may be required to remediate contaminated soil. This will be especially important where depth to groundwater is less than 50 feet or where lateral migration of contaminants has occurred in close proximity to a surface drainage or dry wash. Such a site will require special consideration and evaluation by Navajo EPA to determine the best course of action. In any event, the depth and lateral extent of contamination (above standards) must be determined, and the soil must be remediated unless a site specific risk assessment (approved by Navajo EPA) indicates minimal risk to surface and ground water resources.

This approval does not relieve the operator of any environmental liability or responsibility for compliance with Federal, Tribal, State, local laws, regulations or conditions of approval. This approval does not constitute approval on any non-Navajo lands.

If you have any questions, please contact me at (505) 368-1040.

ID:5055992119 FEB 08'00 9:34 No.001 P.04

Sincerely,

James Walker

Groundwater Pollution Control Program, Navajo Nation EPA

#### enclosure

EPNG EXEC

cc: Sadie Hoskie, Director, Navajo Nation EPA James Miles, Farmington Indian Minerals Office, BIA Bill Liese, Farmington District Office, BLM Anna Marie Cook, US EPA Region IX, (W-6-3)

· Mary lon Drywster - WINDOW Rock (6000)(520)-871-5938

· JERRY DEGROAT - CROWNPOINT

District I = (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

Originated 8/8/95

Form C-138

ρi

2040 South Pacheco Street Mexico 87505 7-7131

Submit Original Plus 1 Copy to appropriate District Office

| -trict III - (505) 334-6178 | Santa Fe, New 1 |
|-----------------------------|-----------------|
| Rio Brazos Road             | (505) 82        |
| c, NM 87410                 | (303) 82        |
| strict IV - (505) 827-7131  |                 |
|                             |                 |

| strict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                              | Env. JN:                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                          | SOLID WASTE                                                                             |
| 1. RCRA Exempt: Non-Exempt: 12 10.99                                                                                                                                                                                                                                                                                                                                                    | 4. Generator EDES                                                                       |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site                                                                     |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                        | 6. Transporter Esuin fact                                                               |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                 | 8. State Down Hopeico                                                                   |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                       | "0" Sag T28N R9W.                                                                       |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                          |                                                                                         |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigner.</li> </ul> | ompanied by necessary chemical analysis to not origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL: Petrolama Hydrocanton Contamination PHC contamination Soil collecte                                                                                                                                                                                                                                                                                      | el in draw @ corrossion                                                                 |
| Leak down a conyon.                                                                                                                                                                                                                                                                                                                                                                     | n-up from corrosion<br>fill drums, lift out:                                            |
| Estimated Volume                                                                                                                                                                                                                                                                                                                                                                        | erator at the end of the haul) 1 / 0 cy                                                 |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                          | DATE: <u>(3.14.89</u><br>-EPHONE NO. 505-632-0615                                       |
| APPROVED BY: Charle There TITLE:                                                                                                                                                                                                                                                                                                                                                        | DATE:                                                                                   |

| Generator Name and Address:                                                                          | 2. Destination Name:                                        |  |  |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--|--|
| El Paso Field Services Co.                                                                           | Envirotech Soil Remediation Facility                        |  |  |
| 614 Reilly Avenue                                                                                    | Landfarm #2                                                 |  |  |
| Farmington, NM 87401 Hilltop, New Mexico                                                             |                                                             |  |  |
| Originating Site (name): Location of Waste(Street address &/or ULSTR):                               |                                                             |  |  |
| Largo Canyon Gathering System San Juan County, New Mexico, Unit O, Section 9, T28N, R9W              |                                                             |  |  |
|                                                                                                      |                                                             |  |  |
| Attach list of originating sites as appropriate  4. Source and Description of Waste                  |                                                             |  |  |
| ,                                                                                                    |                                                             |  |  |
| Soil contaminated with produced liquids from gathe                                                   | ring line corrosion leak.                                   |  |  |
|                                                                                                      |                                                             |  |  |
|                                                                                                      |                                                             |  |  |
|                                                                                                      |                                                             |  |  |
| ı, David Bays                                                                                        | representative for:                                         |  |  |
| (Print Name)                                                                                         |                                                             |  |  |
| FI Paso Field Services                                                                               | Co. do hereby certify that,                                 |  |  |
|                                                                                                      | very Act (RCRA) and Environmental Protection Agency's July, |  |  |
| 1988 regulatory determination, the above described                                                   | d waste is: (Check appropriate classification)              |  |  |
|                                                                                                      |                                                             |  |  |
|                                                                                                      | N-EXEMPT oilfield waste which is non-hazardous by           |  |  |
| Cita                                                                                                 | racteristic analysis or by product identification           |  |  |
| and that nothing has been added to the exempt or non-hazardous waste defined above.                  |                                                             |  |  |
|                                                                                                      |                                                             |  |  |
| For <b>NON-EXEMPT</b> waste only, the following documentation is attached (check appropriate items): |                                                             |  |  |
| MSDS Information Other (description)                                                                 |                                                             |  |  |
| RCRA Hazardous Waste Analysis                                                                        |                                                             |  |  |
| Chain of Custody                                                                                     |                                                             |  |  |
|                                                                                                      |                                                             |  |  |
| Name (Original Signature):                                                                           | - Baye                                                      |  |  |
|                                                                                                      |                                                             |  |  |
| Title: Principal E                                                                                   | nvironmental Scientist                                      |  |  |
| Date: January 18                                                                                     | 3 2000                                                      |  |  |
| Buto.                                                                                                | , =                                                         |  |  |

District I'- (505) 393-6161 P. O. East 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 D'-uict III - (505) 334-6178 Rio Brazos Road A.J.C. NM 87410

District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

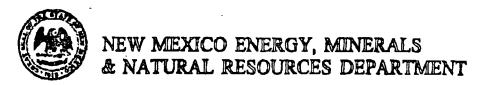
Dignated 8/8/95 JAN 2000 RECEIVED OIL CON. DIV DIST. 3

Submit Original
Liplus 1 Copy
Toppropriate
District Office

**Form C-138** 

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                             |                                   |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--|--|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                            | 4. Generator Censes               |  |  |
| Verbal Approval Received: Yes 🔲 No 🔽                                                                                                                                                                                                                                                                                                                                                                   | 5. Originating Site Wing Plant    |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                       | 6. Transporter TBA                |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                | 8. State New Mapico               |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                      | # 68 El Paso Circle Gaup Du 87301 |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                 | ·                                 |  |  |
| Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport. |                                   |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                         | ·····                             |  |  |
| patroleon kyorocorbon antonoinated soil generated during                                                                                                                                                                                                                                                                                                                                               |                                   |  |  |
| cleaning around appor recovery w                                                                                                                                                                                                                                                                                                                                                                       | mit.                              |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                        | •                                 |  |  |
| Never                                                                                                                                                                                                                                                                                                                                                                                                  | Hauled 4/12/01 De                 |  |  |
| Estimated Volume cy Known Volume (to be entered by the operator at the end of the haul) cy                                                                                                                                                                                                                                                                                                             |                                   |  |  |
| SIGNATURE: Handfarm Waste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                         |                                   |  |  |
| TYPE OR PRINT NAME: Harlan M. Brown TE                                                                                                                                                                                                                                                                                                                                                                 | LEPHONE NO                        |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                             |                                   |  |  |



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MERICO 87410 (808) 834-6178 FEE (505)334-6178

GARY E. JOHNSON

JENNIFER A. SALISBURY
CABINET SECRETARY

| 10 - 11 1. 1. 11 10 -                                                                                                                                                                     | 2. Destination Name:                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Conoco Inc. Wingate Plant                                                                                                                                                                 | Envirotech Inc.                                                                                     |
| 7.0. Box 119                                                                                                                                                                              | Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico                              |
| Rehoboth, NM 87322-0119                                                                                                                                                                   | 5796 US Hwy 64 Farmington, NM 87401                                                                 |
| 3. Originating Site (name):<br>Wingate Plant                                                                                                                                              | Location of the Waste (Street address &/or ULSTR):                                                  |
| #68 El Paso Circle                                                                                                                                                                        | (Soils surrounding the Vapor                                                                        |
| Gallup, NM 87301                                                                                                                                                                          | Recovery Unit)                                                                                      |
| Attach list of originating sites as appropriate                                                                                                                                           | •                                                                                                   |
| 4. Source and Description of Waste                                                                                                                                                        |                                                                                                     |
| Contaminated Soils from arou                                                                                                                                                              | nd the Vapor Recovery Unit.                                                                         |
| Contraction                                                                                                                                                                               | 1                                                                                                   |
|                                                                                                                                                                                           |                                                                                                     |
| İ                                                                                                                                                                                         |                                                                                                     |
|                                                                                                                                                                                           |                                                                                                     |
| 1. Joyce Woodfin (Print Name)                                                                                                                                                             | representative for:                                                                                 |
| (Print Name)                                                                                                                                                                              |                                                                                                     |
| Conoco Inc.                                                                                                                                                                               | do hereby certify that,                                                                             |
| 1988, regulatory determination, the above described w                                                                                                                                     | Act (RCRA) and Environmental Protection Agency's July, vaste is: (Check appropriate classification) |
|                                                                                                                                                                                           |                                                                                                     |
| EXEMPT oilfield waste                                                                                                                                                                     | PT oilfield waste which is non-hazardous by characteristic                                          |
| analysis or                                                                                                                                                                               | py product identification                                                                           |
| and that nothing has been added to the exempt or non                                                                                                                                      | evennt non-hazardous waste defined above                                                            |
|                                                                                                                                                                                           | exempt from medicust tradic defined duty.                                                           |
| C. MON EVERROT waste the following decomposite                                                                                                                                            |                                                                                                     |
| For NON-EXEMPT waste the following documentate                                                                                                                                            | on is attached (check appropriate items):                                                           |
| MSDS Information RCRA Hazardous Waste Analysis                                                                                                                                            |                                                                                                     |
| MSDS Information                                                                                                                                                                          | on is attached (check appropriate items):                                                           |
| MSDS Information RCRA Hazardous Waste Analysis                                                                                                                                            | on is attached (check appropriate items):                                                           |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Na                                                                  | on is attached (check appropriate items):                                                           |
| MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                         | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Na                                                                  | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.                              | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.  Name (Original Signature):  | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.                              | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information  RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.  Name (Original Signature): | on is attached (check appropriate items): Other (description):                                      |
| MSDS Information RCRA Hazardous Waste Analysis Chain of Custody  This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.  Name (Original Signature):  | on is attached (check appropriate items): Other (description):                                      |

DEC 01 1999 08:31 FK



Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fox (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Client:

Conoco, Inc. Gallup

Project:

Gallup, NM

Sample ID:

VRU SOIL

Lab ID:

0399W05512

Matrix:

Condition:

Soil

Intact

Date Reported: 11/11/99

Date Sampled: 10/30/99

Date Received: 11/03/99

Date Analyzed: 11/10/99

| Parameter                     | Analytical<br>Result | řáL   | MCL   | Units |
|-------------------------------|----------------------|-------|-------|-------|
| TCLP METALS - EPA METHOD 1311 |                      |       |       |       |
| Arsenic                       | <0.005               | 0.005 | 5.0   | mg/L  |
| Barium                        | 1.52                 | 0.01  | 100.0 | mg/L  |
| Cadmium                       | <0.004               | 0.004 | 1.0   | mg/L  |
| Chromium                      | <0.01                | 0.01  | 5.0   | mg/L  |
| ead                           | <0.01                | 0.01  | 5.0   | mg/L  |
| Mercury                       | <0.001               | 0.001 | 0.2   | mg/L  |
| Selenium                      | 0.06                 | 0.005 | 1.0   | mg/L  |
| Silver                        | <0.01                | 0.01  | 5.0   | mg/L  |

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By

DEC 01 1999 08:30 FR



Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

Client:

Conoco, Inc. Gallup

Project:

Gallup, NM

Sample ID: VRU

Lab ID:

0399W05620

Matrix:

Soil

Condition:

Intact

2506 West Main Street, Farmington, NM 87401

Date Reported: 11/17/99

Date Sampled: 11/11/99

Date Received: 11/12/99

Date Analyzed: 11/16/99

| Parameter                            | Analytical<br>Result | PQL    | Units |
|--------------------------------------|----------------------|--------|-------|
| BTEX - Method 8021B                  |                      |        |       |
| Benzene                              | 13                   | 1      | µg/L  |
| Toluene                              | 49                   | 1      | µg/L  |
| Ethylbenzene                         | . 20                 | 1      | µg/L  |
| Xylenes (total)                      | 88                   | 3      | µg/L  |
| Quality Control - Surrogate Recovery | %                    | QC Lin | nits  |
| 4-Bromofluorobenzene(SUR-8020        | 102                  | 70 - 1 | 30    |
| a,a,a-Trifluorotoluene(SUR-602)      | 127                  | 70 - 1 | 30    |

Reference: Method 6021, Volatile Organic Compounds, Test Methods for Evaluating

Solid Waste, Physical/Chemical Methods, United States Environmental

Protection Agency_SW-846, Volume IB, December 1987.

Reviewed By:

District I - (505) 393-6161 P. O. Box 1980 Habbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 11 trict III - (505) 334-6178 Rio Brazos Road ~~c, NM 87410

District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

JAN 2000 RECEIVED OIL CON. DIV DIST. 3

Submit Original Plus I Copy to appropriate District Office

Form C-138

Originated 8/8/95

|                                                                                                                                                                          | P. 96 (2004) (1994) [2] [2 (2004) [2 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [3 (2004) [2 |                                                    | The second second second second second second second second second second second second second second second se |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                          | REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                                                                                                 |  |
| 1.                                                                                                                                                                       | RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Danny Forst<br>U-wall<br>1. 11.00                  | 4. Generator NATCS                                                                                              |  |
|                                                                                                                                                                          | Verbal Approval Received: Yes 🔀 🚺                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No arodu.                                          | 5. Originating Site Yartous Localis                                                                             |  |
| 2. 1                                                                                                                                                                     | Management Facility Destination Envirotech Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Soil Remedia.<br>Landfarm #2                       | 6. Transporter Environtal                                                                                       |  |
| 3. /                                                                                                                                                                     | Address of Facility Operator 5796 US High Farmington,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    | 8. State Down Marico                                                                                            |  |
| 7. 1                                                                                                                                                                     | ocation of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    | 2855 Southside River Rd.                                                                                        |  |
| 9. (                                                                                                                                                                     | Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    | FArmington, NR. 87401                                                                                           |  |
| <b>!</b>                                                                                                                                                                 | <ul> <li>All requests for approval to accept olifield exer Generator; one certificate per job.</li> <li>All requests for approval to accept non-exemp PROVE the material is not-hazardous and the listing or testing will be approved.</li> <li>Il transporters must certify the wastes delivered an</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | nt wastes must be acco<br>Generator's certificatio | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by                        |  |
| BRIE                                                                                                                                                                     | F DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                                                                                                                 |  |
| Studge generated during cleaning and we furbisiting off production agripment. (Toutes, Ody's, Separators).  Acception and produce 1 who Attached  Normes screen attached |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                                                                                                 |  |
| Estimated Volume 5 bs. cy Known Volume (to be entered by the operator at the end of the haul) cy                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                                                                                                 |  |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm Manager  DATE: 61.13.60  TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO.                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                                                                                                                 |  |
| API                                                                                                                                                                      | PROVED BY: Charle Terry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | •                                                  | 915 DATE: 1/18/00<br>11605 1958 FO PATE: 1/18/2000                                                              |  |

# hand Form 2 Unit 5

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Natco,2855 Southside River RD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Legation of the Wester (Street address & for III STD)                                                                                                                                                                                                                                                                                                                                                  |
| Solid generated during the cl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Location of the Waste (Street address &/or ULSTR): eaming of oil and gas production                                                                                                                                                                                                                                                                                                                    |
| egipment, at Natco, s yard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | coming on our and kno breases were                                                                                                                                                                                                                                                                                                                                                                     |
| eqipheric, at nacco, b yard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Attach list of originating sites as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4. Source and Description of Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                        |
| Contaminated dirt and sluge, from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | om various locations see attatched list.                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                        |
| <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
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7VN19140



#### INSPECTION FOR N.O.R.M. CONTAMINATION

| A THE ESTABLISH CONTAMINATION                                                                                        |
|----------------------------------------------------------------------------------------------------------------------|
| Location: Matte's Land (Mash Rack) Date: 1-7-2000  Survey instrument model: Mid-Ludlum 3-98 Last calibrated: 8-12-99 |
| Survey instrument model: Mid - Ludium 3-98 Last calibrated: 8-12-99                                                  |
| Item description: Waste Dannels fin Disposal.                                                                        |
| Number of pieces: 5 bunne. (s                                                                                        |
| Location where items originated: Various Anodoction Equip.                                                           |
| Background reading: 13.5 uR/hr                                                                                       |
| Highest NORM reading: 25-5 uR/hr (corrected for background)                                                          |
| Lowest NORM reading:uR/hr (corrected for background)                                                                 |
| Any samples taken? If so, how many?                                                                                  |
| 5 - bunnels Pieces inspected.                                                                                        |
| All -5- beneal Pieces found to be free of NORM contamination.                                                        |
| Pieces found to have NORM contamination.                                                                             |
| Remarks: Testal all bannels from top, I from                                                                         |
| the Month, South, East, & West Sides of passels.                                                                     |
|                                                                                                                      |
| Inspector: June B. Manne                                                                                             |
| What is final disposition? OK for waste to be Disposed of                                                            |
| Released to: Whom were Dispared of Warfe Date: 1-7-2000                                                              |
|                                                                                                                      |
| TYNIFINO                                                                                                             |
|                                                                                                                      |

District I * (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P' trict III - (505) 334-6178 Rio Brazos Road ~...c, NM 87410 District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department RECEIVED Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

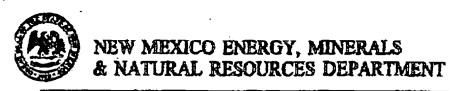
JAN 2000 Originated 8/8/95 OIL CON. DIV DIST. 3

Submit Original Plus 1 Copy to appropriate District Office

Form C-138

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--|
| 1. RCRA Exempt: Non-Exempt: Ot 12.06                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4. Generator Phillips Patrolaum                   |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5. Originating Site 29. でいい                       |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Transporter Suaco                              |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                               | 8. State New Mappico                              |  |
| 7. Location of Material (Street Address or ULSTR                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                   |  |
| <ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul> |                                                   |  |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                           | for transport.                                    |  |
| Ballom, Serimento. É motor from salt motor Disposar forility                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                   |  |
| Estimated Volume cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                                                                                                                           | erator at the end of the haul) 120 cy             |  |
| SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                                                                                                                                                                                         | DATE: 01 - 12 - 08  EPHONE NO. 505-632-0615       |  |
| APPROVED BY: Charlie Texas TITLE: Aloty oil                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE: 1/18/00  14 60x (1) Shorted DATE: 1/18/2000 |  |



OH Conservation division Aztec district defice 1908 RD Brazos Road Aztec, New Mexico 87418 1985) 354-5111 Fax (305)334-6170.

GARY E. JOHNSON GOVERNOR

IENNIFER A. SALISBURY CABINET SECRETARY

| 1. Generator Name and Address:  Phillips Petholeum Co  5525 Hony 64  Boy Jung FARMing Tun, NM  Boy Jung FARMing Tun, NM | 2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401 |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. Originating Site Iname):                                                                                             | Location of the Waste (Street address &/or ULSTRI):                                                                                              |
| 29-6 SWD                                                                                                                |                                                                                                                                                  |
| Attend list of priginating sites as appropriate                                                                         |                                                                                                                                                  |
| 4. Source and Description of Waste  - TANK Boffums From Product                                                         | I WATER STURMS TANKS                                                                                                                             |
| · TANK BOTTOMS From John                                                                                                | TANG-TOUR                                                                                                                                        |
| · Jank Bottoms From product                                                                                             | 5 10 000 11100                                                                                                                                   |
| · compositions checked for NUM                                                                                          | em w/ zero Found                                                                                                                                 |
| 0 1 1                                                                                                                   |                                                                                                                                                  |
| R.A. Wissause                                                                                                           | representative for:                                                                                                                              |
| Ph. Mass PETR-leum Pint Name)                                                                                           | do hereby sertify that,                                                                                                                          |
| according to the Resource Conservation and Recover<br>1988, regulatory determination, the above described               | y Act (RCRA) and Environmental Protection Agency's July,                                                                                         |
|                                                                                                                         | PT offield waste which is non-hazardous by characteristic by product identification                                                              |
| and that nothing has been added to the exempt or non                                                                    | exempt non-hazardous waste defined above.                                                                                                        |
| For NON-EXEMPT waste the following documentate  MSDS information  RCRA Hazardous Wasta Analysis  Chain of Custody       | ·                                                                                                                                                |
| This waste is in compliance with Regulated Levels of N<br>to 20 NMAC 3.1 subpart 1403.C and D.                          | aturally Occurring Radioactive Material (NORM) pursuant                                                                                          |
| Name (Original Signature):                                                                                              |                                                                                                                                                  |
| Title: Sp. S& E Spelsi                                                                                                  | :                                                                                                                                                |
| Date: 1-12-00                                                                                                           |                                                                                                                                                  |

### Robert L. Bayless, Producer LLC Oil & Gas Producer

P.O. Box 168 Farmington, New Mexico 87499 THER#3
OCO APPROVAC
10-23.00

Envirotech

FAX NO. (505) 326-6911

OFFICE NO. (505) 326-2659

13.

Certified Mail

February 9, 2001

Mr. Fitzgerald Cadman Navajo Tribal EPA NPDS Program PO Box 339 Window Rock, AZ 86515

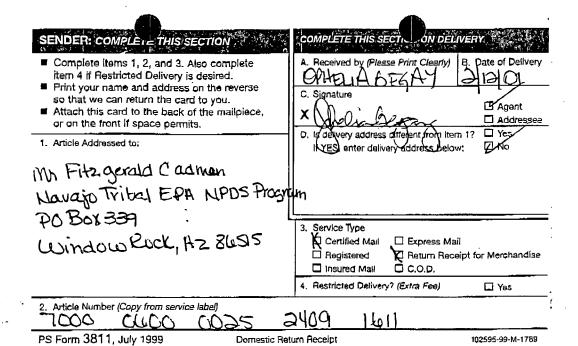
RE: Tocito Dome Oil Spill

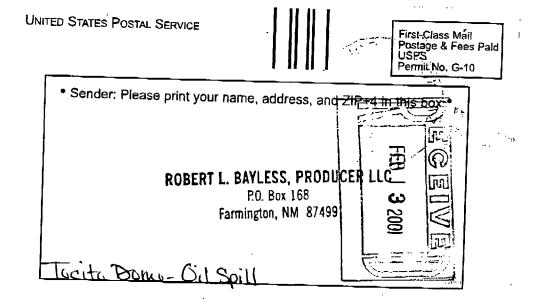
Dear Mr. Cadman,

As we have discussed on the telephone, this letter is to inform you that Bayless plans to move approximately 6 cubic yards of oil stained soil from our Tocito Dome oil field to Envirotech's land farm. A third party roustabout company will haul the soil. This work will be scheduled after receipt of necessary regulatory approvals.

Sincerely.

Tom McCarthy Petroleum Engineer





District I' - (505) 393-6161 P. O. Box 1980 Hows, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Product III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

# New Mexico Energy Lacrals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

| 1. RCRA Exempt: Non-Exempt: S:24.00                                                                                                                                                                                                                                                                                                                                                                                                                           | 4. Generator Phillips Patroleum              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site 29-5 #107                |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                              | 6. Transporter TBA                           |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                       | 8. State NEW Mexico                          |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                             | NWY, SecZ, TZ9 DR5W.                         |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rio Arriba County, DM.                       |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul> |                                              |
| All transporters must certify the wastes delivered are only those consigned for transport.                                                                                                                                                                                                                                                                                                                                                                    |                                              |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                |                                              |
| paratent producedwater contominated soil @ on over flow of a pit.                                                                                                                                                                                                                                                                                                                                                                                             |                                              |
| a pit.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               | JAN 2001 F<br>PECEIVED ON CON DIV<br>DIST. 3 |
| Estimated Volume Cy Known Volume (to be entered by the operator at the end of the haul)                                                                                                                                                                                                                                                                                                                                                                       |                                              |
| SIGNATURE: Waste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                                                                                         | anager DATE: S・2 4. 00                       |
| Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                                                               | EPHONE NO                                    |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                              |
| APPROVED BY: Demy Rent TITLE: Oco legiST DATE: 01/3//01                                                                                                                                                                                                                                                                                                                                                                                                       |                                              |
| APPROVED BY: Well TITLE: 910 10                                                                                                                                                                                                                                                                                                                                                                                                                               | 19-5 DATE: 2-2-01                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                              |

| Generator Name and Address:                                                              | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Phillips Petroleum Company                                                               | Envirotech Landfarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 5525 Hwy 64, NEBU 3004                                                                   | NM Hwy 44 (US Hwy 550)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |
| Farmington, NM 87401                                                                     | Hilltop, NM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                          | ••                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 3. Originating Site (Name):                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| San Juan 29-5 # 107                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 4. Source and Description of Waste:                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Approximately 6 cubic yards of hydrocarbon stained soil as a result of an upset          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| (over filled) pit tank.                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| I,                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| (Print Name)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Phillips Petroleum do hereby certify                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| that according to the Resource Conservation Act (RCRA) ans Environmental Protection      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Agency's July, 1988, regulatory determination, the above described waste is:             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| (Check appropriate classification)                                                       | NAME OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY |  |
| X EXEMPT oilfield waste                                                                  | NON-EXEMPT oilfield waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                          | which is non-hazardous by characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|                                                                                          | analysis or by product identification and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                          | that nothing has been added to the exempt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                          | non-hazardous waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| To a DESCRIPTION OF THE ALL C. H                                                         | For NON-EXEMPT waste only, the following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| For EXEMPT waste only, the following documentation is attached (check appropriate items) | documentation is attached (check appropriate items)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| accumentation is atmoned (cheek appropriate nems)                                        | MSDS Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| NORM Survey                                                                              | TCLP Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| TCLP Analysis                                                                            | Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                                                                          | NORM Survey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                          | Other (description)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| ^                                                                                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Name (Original Signature): RA U.                                                         | Intare by P Clark                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Name (Original Signature): RA, U. Title: Sr. Safety and Environmental Specialis          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |

District I - (505) 393-6161 P.O. Box 1980 Hobbi, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P' trict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

ene kangan karan arah meneri dia matampahan pengga. Ki ka 1978 in 1978 in 1988 in manggangan penggangan manggan ka

د...c, NM 87410

### New Mexico Energy Nunerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN: 96052

| REQUEST FOR | APPROVAL | TO ACC | EPT | SOLID | WASTE |
|-------------|----------|--------|-----|-------|-------|
|             |          |        |     |       |       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOLID WAS IE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: Sonur Fourt  8. 24.00  (0:45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4. Generator Phillips Patrolau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site 3(-6 C DP #/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2. Management Facility Destination $\begin{array}{c} {\rm Envirotech} & {\rm Soil} & {\rm Remedia.} \\ {\rm Facility} & {\rm Landfarm} & \#2 \end{array}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6. Transporter TBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Majorco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ul> <li>9. Circle One:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be acceded Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ompanied by necessary chemical analysis to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | I for transport.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SIGNATURE: Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | JAN 2001  ON DAY  ON DAY  ON DAY  OF CALL STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA |
| APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: Geological APPROVED BY: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Land TITLE: A Lan | DATE: 0//3//01  DATE: 2-2-0/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### **CERTIFICATE OF WASTE STATUS**

| Generator Name and Address:                                                              | 2. Destination Name:                                |
|------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Phillips Petroleum Company                                                               | Envirotech Landfarm                                 |
| 5525 Hwy 64, NEBU 3004                                                                   | NM Hwy 44 (US Hwy 550)                              |
| Farmington, NM 87401                                                                     | Hilltop, NM                                         |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
|                                                                                          | <del></del>                                         |
| 3. Originating Site (Name):                                                              |                                                     |
| San Juan 31-6 CDP                                                                        |                                                     |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
| 4. Source and Description of Waste:                                                      |                                                     |
| Approximately 10 cubic yards of hydrocarbo                                               | n stained soil (pigging waste) as a result of       |
| an upset.                                                                                |                                                     |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
|                                                                                          |                                                     |
|                                                                                          | <del>,</del>                                        |
| I, R.A. Wirtaner                                                                         | representative for:                                 |
| (Print Name)                                                                             |                                                     |
| Phillips Petrole                                                                         |                                                     |
| that according to the Resource Conservation                                              | ·                                                   |
| Agency's July, 1988, regulatory determination                                            | on, the above described waste is:                   |
| (Check appropriate classification)                                                       | NON-EXEMPT oilfield waste                           |
| X EXEMPT oilfield waste                                                                  |                                                     |
|                                                                                          | which is non-hazardous by characteristic            |
|                                                                                          | analysis or by product identification and           |
|                                                                                          | that nothing has been added to the exempt           |
|                                                                                          | non-hazardous waste defined above.                  |
|                                                                                          |                                                     |
| For EVENDE work only 41 - 6.11                                                           | For NON-EXEMPT waste only, the following            |
| For EXEMPT waste only, the following documentation is attached (check appropriate items) | documentation is attached (check appropriate items) |
| documentation is attached (eneck appropriate rems)                                       | MSDS Information                                    |
| NORM Survey                                                                              | TCLP Analysis                                       |
| TCLP Analysis                                                                            | Chain of Custody                                    |
| 1021 111111111111111111111111111111                                                      | NORM Survey                                         |
|                                                                                          | Other (description)                                 |
|                                                                                          | other (description)                                 |
|                                                                                          |                                                     |
| Name (Original Signature): RA Wis                                                        | the san has Pleaset                                 |
| Title: Sr. Safety and Environmental Speciali                                             | et py curs y                                        |
| Date: August 24, 2000                                                                    | JL                                                  |
| Daw. August 27, 2000                                                                     |                                                     |

District 7 - (505) 393-6161 P. O. Fox 1980 Mobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Protect III - (505) 334-6178 Rio Brazos Road C., NM 87410

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropria District Offi

| <u> Natrict IV - (505) 827-7131 '</u>                                                                                                                                                                                                                                                                                            | Env. JN: <u>46043</u>                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                   | SOLID WASTE                                                     |
| 1. RCRA Exempt: Non-Exempt: (Z. Zo . 00)                                                                                                                                                                                                                                                                                         | 4. Generator Cooper Every 7 So                                  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                             | 5. Originating Site Compressor S                                |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                 | 6. Transporter Esuivotech                                       |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                          | 8. State New Moroico                                            |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                | NE Sec14, T3IN RIOW                                             |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                   |                                                                 |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accommodately one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompacted that the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul> | ompanied by necessary chemical analysis to                      |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                      | i for transport.                                                |
| BRIEF DESCRIPTION OF MATERIAL:  Soil Contaminated w/ New Pagagus  MSDS Attachad.                                                                                                                                                                                                                                                 | FEB 2001 FEB 2001 FEB 2001 FEB 2001 FECEIVED ONLOON DIV DIST. 9 |
| Estimated Volume cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                       | erator at the end of the haul) <u>66</u> cy                     |
| SIGNATURE: Harla Dru Brand TITLE. Landfarm M                                                                                                                                                                                                                                                                                     | anager DATE: (2.20.00                                           |
| Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                             | EPHONE NO                                                       |

(This space for State Use)

APPROVED BY: 1 emy

Keint T

TITLE: G-Cologist

DATE: 0//31/01

APPROVED BY: Martyn John.

TITLE: Environ

In Ged

DATE: 02/07/0

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
Pi-trict III - (505) 334-6178
Rio Brazos Road
C., NM 87410
District IV - (505) 827-7131

APPROVED BY:

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

DATE:

| strict IV - (505) 827-7131                                                                                                                                                                                                                                                                                 | Env. JN: 96043                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACC                                                                                                                                                                                                                                                                                | EPT SOLID WASTE                                                                                   |
| 1. RCRA Exempt: Non-Exempt: (Z. Zo.00)                                                                                                                                                                                                                                                                     | 4. Generator Cooper Ewerg T So                                                                    |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                       | 5. Originating Site Compressors                                                                   |
| 2. Management Facility Destination Envirotech Soil Remed Facility Landfarm #                                                                                                                                                                                                                               | ia. 6. Transporter Enviroteal                                                                     |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                    | 8. State Daw Maxico                                                                               |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                          | NE Sec14, T 3IN R 100                                                                             |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                     |                                                                                                   |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be PROVE the material is not-hazardous and the Generator's certificating or testing will be approved.</li> </ul> | accompanied by necessary chemical analysis to ication of origin. No waste classified hazardous by |
| All transporters must certify the wastes delivered are only those cons                                                                                                                                                                                                                                     | igned for transport.                                                                              |
| BRIEF DESCRIPTION OF MATERIAL:  Soil Condaminated w/ New Pagage                                                                                                                                                                                                                                            | s 805 lubroil.                                                                                    |
| Estimated Volume cy Known Volume (to be entered by the SIGNATURE: Harlan M. Brown                                                                                                                                                                                                                          | rm Manager DATE: (2.20.06)                                                                        |
| TYPE OR PRINT NAME: Harran H. Brown                                                                                                                                                                                                                                                                        | TELEPHONE NO                                                                                      |
| (This space for State Use)                                                                                                                                                                                                                                                                                 |                                                                                                   |

TITLE:

## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

1. Generator Name and Address:

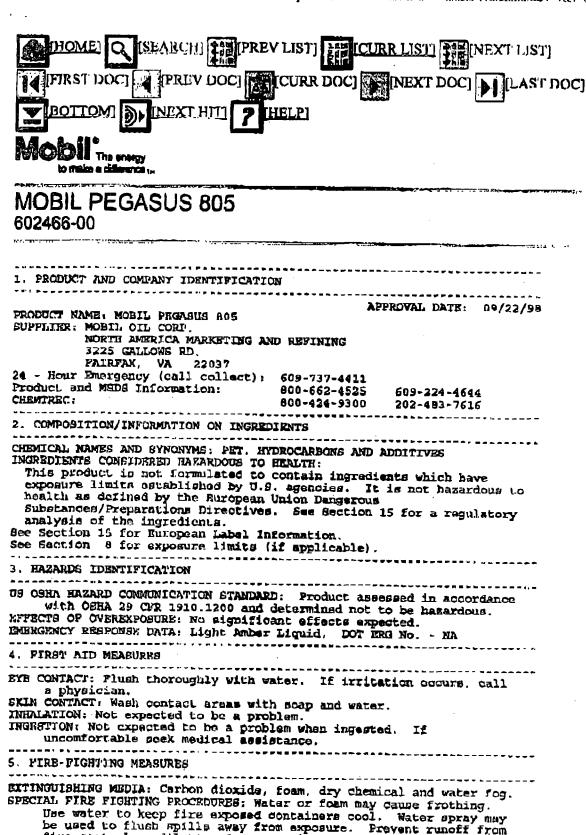
JENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

**Destination Name:** 

| Cooper Energy Services                                                                      | Envirotech Soil Remediation Facility                                                  |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 3900 E. Bloomfield Hwr.                                                                     | Landarm #2                                                                            |
| FARMington New Mesolco                                                                      | Hilltop, New Mexico                                                                   |
|                                                                                             | Location of the Waste (Street address &/or ULSTR):                                    |
| Archrock Compre                                                                             | SSOI STATION                                                                          |
| Ja. Originating Site (name):  Archrock Compre  NEQ T31N R10W                                | Sec 14                                                                                |
| Attach list of originating sites as appropriate                                             |                                                                                       |
| 4. Source and Description of Waste  Over Flour of Hobil Pa                                  | gasus 805 @ a Compressor                                                              |
| Lube Oil Storange 7                                                                         | معاد                                                                                  |
|                                                                                             |                                                                                       |
|                                                                                             |                                                                                       |
| I, (Print Name)                                                                             | representative for:                                                                   |
| (Print Name)                                                                                | do hereby certify that,                                                               |
|                                                                                             | do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July,     |
| 1988, regulatory determination, the above described                                         | waste is: (Check appropriate classification)                                          |
|                                                                                             | IPT oilfield waste which is non-hazardous by characteristic by product identification |
|                                                                                             |                                                                                       |
| and that nothing has been added to the exempt or no                                         | n-exempt non-nazardous waste defined above.                                           |
| For NON-EXEMPT waste the following documenta                                                | tion is attached (check appropriate items):                                           |
| ★ MSDS Information                                                                          | Other (description):                                                                  |
| RCRA Hazardous Waste Analysis Chain of Custody                                              |                                                                                       |
| 0.12.11 0.00000/                                                                            |                                                                                       |
|                                                                                             | (BLODES)                                                                              |
| This waste is in compliance with Regulated Levels of I to 20 NMAC 3.1 subpart 1403.C and D. | Naturally Occurring Radioactive Material (NORM) pursuant                              |
| TO SO INVINCE 3.1 Support 1403.0 and D.                                                     | •                                                                                     |
| to 20 INVIAC 3.1 Support 1403.C and D.                                                      |                                                                                       |
| Name (Original Signature):                                                                  | Jash f                                                                                |
| /                                                                                           | Jashl                                                                                 |
| Name (Original Signature):                                                                  | Dashl                                                                                 |

12-20-00; 2:44PM



fire control or dilution from entering streams, sewers, or

SPECIAL PROTECTIVE EQUIPMENT: For fires in anclosed areas, fire

drinking water supply.

2-20-00; 2:44PM , MACALUSU UIL CUMPANY J:505-327-0820 JUN 99 14:38 No.030 P.O5 MRUS

fighters must use self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS; None. Flash Point C(F): 245(473) (ASTM D-92) Flammable limits - LEL: NE. UEL: NE. MFPA HAEARD ID: Health: 0, Flammability: 1, Reactivity: 0 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragmence. Sulfur oxides and compounds.

### 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Raport spill to Coast Guard toll free mamber (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, distomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm severs or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

#### 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: No not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

BYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed,

RMPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

VISCOSITY AT 40 C, cal:

Typical physical properties are given below. Consult Product Data Sheet for specific details. APPEARANCE: Liquid COLOR: Light Amber OXX: Marketable ODON THRESHOLD-POM: NE pH: NA BOILING POINT C(F): NE MELTING POINT C(F): NA FLASH POINT C(F): 245(473) (ASTM D-92) FLAMMABILITY: NE AUTO FLAMMABILITY: NE EXPLOSIVE PROPERTIES: NA OXIDIZING PRODERTIES: NA VAPOR PRESSURE-mails 20 C; c 0.1 VAIOR DENSITY: > 2.0 EVAPORATION RAIN: NE RELATIVE DENSITY, 15/4 C: 0.89 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: NE

VISCOSITY AT 100 C, dSt: 13.5 POUR POINT C(P): -12(10) PREEZING POINT C(F): NE VOLATILE ORGANIC COMPOUND: NE NA-NOT APPLICABLE NB-NOT ESTABLISHED D-DECOMPOSES FOR PURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE 10. STABILITY AND REACTIVITY STABILITY (THERMAL, LIGHT, ETC.): Stable. CONDITIONS TO AVOID: Extreme heat. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds. HAZARDOUS POLYMERIZATION: Will not occur. 11. TOXICOLOGICAL DATA

---ACUIT TOXICOLOGY---ORAL TOXICITY (MATE): Practically non-toxic (LD50: greater than 2000 mg/kg). --- Based on tosting of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LDSO: greater than 2000 mg/kg). --- Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable --- Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). --- Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Indox: greater than 0.5 but less than 3). --- Based on testing of similar products and/or the components.
---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Severally solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rate 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

--- CHRONIC TOXICOLOGY (SUMMARY) ---The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of caroinogenic effects.

### 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND REFECTS: Not established.

#### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCKA INFORMATION: The ununca product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corresivity, or reactivity and is not formulated with contaminants as determined by the Toxicity ٠ ١٠ ٠ ١٠

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Characteristic Leaching Procedure (TCLP). However, used product
      may be regulated.
14. TRANSPORT INFORMATION
     USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY 1MO.
lata: Not regulated by lata.
  15. REGULATORY INFORMATION
 Governmental Inventory Status: All components comply with TSCA,
      BINECE/ELINCS, AICS, and Dal.
EU Labeling:
  Symbol: * EU labeling not required ...
  Risk Phrase(s): R.
     NA
  Safety Phrase (a): Not applicable.
U.S. Superfund Amendments and Resuthorization Act (SARA) Title III:
  This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
  SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
  This product contains no chemicals reportable under
  SARA (313) toxic release program,
The following product ingredients are cited on the lists below:
CHRMT CALL NAME
                                          CAS NUMBER LIST CITATIONS
                                                            -----
ZINC (ELEMENTAL ANALYSIS) (0.031)
                                          7440-66-6
                                                            22
PHOSPHORODITHOIC ACID, 0.0-DI
                                           68649-42-3
                                                            22
C1-14-ALKYL RSTERS, ZINC SALTS (2:
1) (ZDDP) (0.33%)
                       --- REGULATORY LISTS SKARCHED ---
1-ACGIH ALL 6-IARC 1 11-TSCA 4 16-CA P65 CARC 21-LA RTK
2-ACGIH A1 7-IARC 2A 12-TSCA 5a2 17-CA P65 REPRO 22-MI 293
3-ACGIH A2 8-IAHC 2B 13-TSCA 58 18-CA RTK 23-MN RTK
4-NTP CARC 9-OSHA CARC 14-TSCA 6 19-FL RTK 24-NJ RTK
5-NTP SUS 10-OSHA Z 15-TSCA 12b 20-IL RTK
                                                              25=PA RIK
                                                               26=RI RIK
code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive
16. OTHER INFORMATION
USE: ENGINE LUDRICANT
       MOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCRS.
Please call the Customer Response Center on 800-662-4525 for formulation
For Internal Use Only: MHC: 0° 0° MA 1° 1°, MPPEC: A, TRN: 602466-00, GLIS: 400795, CMC997: 97D936, REQ: US - MARKETING, SAPE USE: L
**********************
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without guarantoo. Conditions of use and suitability of the product for
particular uses are beyond our control; all risks of use of the product
are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANNABILITY AND PITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Sothing is intended as a
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District I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pirtlet III - (505) 334-6178 Rio Brazos Road A...c., NM 87410 District IV - (505) 827-7131

the same that it is not seen to be a first the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

|                                   |                       |                               | Env.                               | JN:                                  |
|-----------------------------------|-----------------------|-------------------------------|------------------------------------|--------------------------------------|
| and recommend to design the extra | Bar d'E Tour Constant | is now to them will report to | "and a military to a second second | er in else frage for the PSC red Ass |

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: No | 4. Generator Robert L. Buyless                                                               |
| Verbal Approval Received: Yes 💟 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Tocito Dome                                                              |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Buccess                                                                       |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State DrewWexico                                                                          |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NEY Sec 20, TZGN RIBW                                                                        |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                              |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ompanied by necessary chemical analysis to<br>on of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                              |
| Sport Julfatreats, granular HzS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Knowle out                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DEC 2000 REC DOLCO V                                                                         |
| Estimated Volume cy Known Volume (to be entered by the op                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | erator at the end of the haul) cy                                                            |
| SIGNATURE: Haulen Tu Brand TITLE: Landfarm Maste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Manager DATE: (2·≥o.ơ⊃                                                                       |
| Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPHONE NO                                                                                    |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                              |
| APPROVED BY: Denny tacy TITLE: Geolog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE: 12/21/00                                                                               |
| APPROVED BY: ATT Sking TITLE: executor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0915V DATE 12-26-00                                                                          |



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT DEFICE 10D0 RIO BRAZDE ROAD AZTEC, NEW MEXICO 87410 (508) 234-8178 Fax (605)234-8170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                          | 2. Destination Name:                                                                                   |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| ROBERT L. BAYLESS                                       | Envirotech Soil Remediation Facility                                                                   |
| PO BOX 168                                              | Landarm #2 Hilltop, New Mexico                                                                         |
| FARMINGTON, NM 87409                                    |                                                                                                        |
| 3. Originating Site (name):                             | Location of the Waste (Street address &/or ULSTR):                                                     |
| TOCITO DOME CENTRAL TANK                                |                                                                                                        |
| NE/4 SECTION 20, TZEN,                                  |                                                                                                        |
| JAN JUAN COUNTY, NEW ME                                 | wie 6                                                                                                  |
| 4. Source and Description of Waste                      | ·                                                                                                      |
| 1 15'CA SINCETPERT GRAY G                               | RANULAR, IRON COMPOUND USED                                                                            |
| TO REMOVE HIS FROM NATO                                 | URAL GAS                                                                                               |
| 10 KEMOVE 7/23 FROM                                     |                                                                                                        |
|                                                         |                                                                                                        |
|                                                         |                                                                                                        |
| - 1001                                                  |                                                                                                        |
| 1 Town WCARTHY                                          | representative for:                                                                                    |
| 1, Tom MCCARTHY (Print Name) ROBERT L. BAYLESS          |                                                                                                        |
| ROBERT L. DAYLEST                                       | do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July,                      |
| 1988, regulatory determination, the above described     | ry ACT (NORA) and Environmental Protection Agency's bury, Waste is: (Check appropriate classification) |
| , "                                                     |                                                                                                        |
| <del></del>                                             | MPT oilfield waste which is non-hazardous by characteristic                                            |
| analysis of                                             | by product identification                                                                              |
| and that nothing has been added to the exempt or no     | n-exempt non-hazardous waste defined above.                                                            |
|                                                         |                                                                                                        |
| For NON-EXEMPT waste the following documenta            |                                                                                                        |
| MSDS Information RCRA Hazardous Waste Analysis          | Other (description):                                                                                   |
| Chain of Custody                                        | •                                                                                                      |
|                                                         |                                                                                                        |
| This was in its assertioner with Brewleted I quality of | Noturally Occurring Padiagotive Meterial (NORM) pursuppt                                               |
| to 20 NMAC 3.1 subpart 1403.C and D.                    | Naturally Occurring Radioactive Material (NORM) pursuant                                               |
| to 20 Mino 3/1 Subpart 1 Toole and 9/                   | 1 /                                                                                                    |
| - MADI                                                  |                                                                                                        |
| Name (Original Signature):                              |                                                                                                        |
| Tales Filler war of                                     | π                                                                                                      |
| Title: ENGINEER                                         |                                                                                                        |
|                                                         |                                                                                                        |
| Date: /2/20/2000                                        |                                                                                                        |

District II - (505) 393-6161
P. (505) 393-6161
P. (505) 393-6161
P. (505) 748-1283
P. (505) 748-1283
P. (505) 334-6178
P. (505) 334-6178
P. (505) Rio Brazos Road

District IV - (505) 827-7131

~_-c, NM 87410

Energy

## New Mexico Inerals and Natural Resources I epartment Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/9

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Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                             | SOLID WASTE                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 12. 7.00 8:45 AJL                                                                                                                                                                                                                                                                                                                                                                              | 4. Generator BJ Survices                                                                  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                       | 5. Originating Site Wash Bar Rack                                                         |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                           | 6. Transporter Enviro tech                                                                |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                    | 8. State New Maxico                                                                       |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                          | 3250 Southside River 120<br>FAREMIZETEM, NY                                               |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommon PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |
| Continuation of work boy solids                                                                                                                                                                                                                                                                                                                                                                                            | disposac & remodiation                                                                    |
| JAN 2001  PECEIVED ONLOON. DIV DIST. 3  Estimated Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                                        | DEC 2000 RECEIVED ONLOW, DIST. 3  Perator at the end of the haul)                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                           |
| SIGNATURE: Waste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                                                      |                                                                                           |
| TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                                                                                                                                                                                    | EPHONE NO                                                                                 |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |
| APPROVED BY: Denny Jean TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                                       | DATE: 12/21/00                                                                            |
| APPROVED BY: Martyn ghy. TITLE: Emironn                                                                                                                                                                                                                                                                                                                                                                                    | N Godgust DATE: 1/11/01 300                                                               |

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
C. C., NM 87410
District IV - (505) 827-7131

APPROVED BY:

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

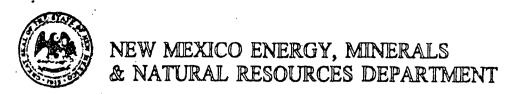
2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

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Env. JN: ____

DATE:

| 是这个大概是我们的对象的,我们就是一个大概的,我们就是我们的一个大概的,我们就是一个大概的,我们就是一个大概的,这个一个大概的,不是一个一个一个一个一个一个一个                                                                                                                                                                                                                                                                                                                                              | [中華] 1. 多日村 [20] 中国共享企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业企业                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                | SOLID WASTE                                                                            |
| 1. RCRA Exempt: Non-Exempt: 12. 7.00                                                                                                                                                                                                                                                                                                                                                                                          | 4. Generator BJ Survices                                                               |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Wash Bar Race                                                      |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Envirotech                                                              |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                       | 8. State New Maxico                                                                    |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                             | FAREUITE FOR , N. M.                                                                   |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                        |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be acco<br/>Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be acco<br/>PROVE the material is not-hazardous and the Generator's certification<br/>listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned</li> </ul> | mpanied by necessary chemical analysis to not origin. No waste classified hazardous by |
| All transporters must certify the mustee delivered and only those contegues                                                                                                                                                                                                                                                                                                                                                   | To transport.                                                                          |
| Estimated Volume cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                                                                   | DEC 2000 RECEIVED OR CON DIV DIST. S                                                   |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm Ma Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE                                                                                                                                                                                                                                                                                           | DATE: 12./5.00 EPHONE NO. 505-632-0615                                                 |
| (This space for State Use)  APPROVED BY: TITLE: G & los                                                                                                                                                                                                                                                                                                                                                                       | DATE: 12/21/00                                                                         |



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (506) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

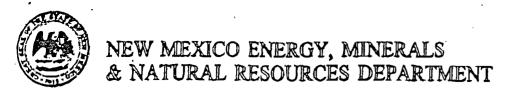
| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name:                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BJ Services River Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Envirotech Inc.                                                                                                                                                                |
| 3250 South the land                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Soil Remediation Remediation Facility                                                                                                                                          |
| farmington, New Mexico 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401                                                                                                          |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Location of the Waste (Street address &/or ULSTR):                                                                                                                             |
| 3. Originating Site (name):  BJ Services (MAIN And)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | - M. C.R. Silile Farility                                                                                                                                                      |
| 3250 Southeile River Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Same - Wash Bay Solids Pacility                                                                                                                                                |
| Parm ington, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                |
| Attach list of originating sites as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                |
| 4. Source and Description of Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                |
| CONTINUATION OF WASH BAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Solids.                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                |
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| 1 . 2 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                |
| BJ Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | representative for:                                                                                                                                                            |
| RT (PANT Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | do hereby certify that,                                                                                                                                                        |
| Do Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                |
| according to the Resource Conservation and Recover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | y Act (RCRA) and Environmental Protection Agency's July,                                                                                                                       |
| according to the Resource Conservation and Recover 1988, regulatory determination, the above described v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | y Act (RCRA) and Environmental Protection Agency's July, vaste is: (Check appropriate classification)                                                                          |
| 1988, regulatory determination, the above described v                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | vaste is: (Check appropriate classification)                                                                                                                                   |
| 1988, regulatory determination, the above described v  EXEMPT oilfield waste  NON-EXEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | vaste is: (Check appropriate classification)  PT oilfield waste which is non-hazardous by characteristic                                                                       |
| 1988, regulatory determination, the above described v  EXEMPT oilfield waste  NON-EXEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | vaste is: (Check appropriate classification)                                                                                                                                   |
| 1988, regulatory determination, the above described v  EXEMPT oilfield waste  NON-EXEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | vaste is: (Check appropriate classification)  PT oilfield waste which is non-hazardous by characteristic by product identification                                             |
| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | vaste is: (Check appropriate classification)  PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above. |
| EXEMPT oilfield waste  NON-EXEM analysis or  and that nothing has been added to the exempt or nor  For NON-EXEMPT waste the following documentate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.                                               |
| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor property of the second of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of th | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |
| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor For NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.                                               |
| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor property of the second of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of th | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |
| EXEMPT oilfield waste  EXEMPT oilfield waste  and that nothing has been added to the exempt or nor  For NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |
| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor for NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |
| EXEMPT oilfield waste  EXEMPT oilfield waste  and that nothing has been added to the exempt or nor  For NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |
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| 1988, regulatory determination, the above described waste  EXEMPT oilfield waste  NON-EXEM analysis or and that nothing has been added to the exempt or nor for NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PT oilfield waste which is non-hazardous by characteristic by product identification  -exempt non-hazardous waste defined above.  ion is attached (check appropriate items):   |



### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

> Date of TCLP Printed Name FACILITIES Supervision Title / Agency 3250 Southside River Road Address FARMINGTON NEW Mexico 87401 Signature



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 [506] 334-6178 FAX (505)334-6170

GARY E, JOHNSON GOVERNOR

#:9978726808

JENNIFER A. SALISBURY CABINET SECRETARY

MA34:11;00-7 -21

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                           | 2. Destination Name:                                                                  |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| BJ Services River Road                                                   | Envirotech Inc.                                                                       |
| 3250 South sac live book                                                 | Soil Remediation Remediation Facility                                                 |
| Farmington, New Mexico 87 401                                            | Landfarm #2, Hilltop, New Mexico                                                      |
|                                                                          | 5796 IIS Hwy 64, Farmington, NM 87401                                                 |
| 3. Originating Site (name):                                              | Location of the Waste (Street address &/or ULSTR):                                    |
| BJ Services (Main Yard)  3250 Southerla River Road                       | Same - Wash Bay Solids Facility                                                       |
| FARM ington, New Mexico<br>87401                                         |                                                                                       |
| Attach list of originating sites as appropriate                          |                                                                                       |
| 4. Source and Description of Waste                                       | , · ,                                                                                 |
| CONTINUATION OF WASH BAL                                                 | Solids.                                                                               |
|                                                                          |                                                                                       |
|                                                                          |                                                                                       |
| , 5                                                                      |                                                                                       |
| BI Services                                                              | representative for:                                                                   |
| (Print Name)                                                             |                                                                                       |
| BJ Servicer                                                              | do hereby certify that,                                                               |
| according to the Resource Conservation and Recover                       | y Act (RCRA) and Environmental Protection Agency's July,                              |
| 1988, regulatory determination, the above described                      | Waste is: (Check appropriate classification)                                          |
| EXEMPT oilfield waste                                                    | IPT oilfield waste which is non-hazardous by characteristic by product identification |
| and that nothing has been added to the exempt or no                      | n-exempt non-hazardous waste defined above.                                           |
| ALAN EVERENT                                                             | wise is prepared (about appropriate items):                                           |
| For NON-EXEMPT waste the following documenta                             | Other (description):                                                                  |
| MSDS Information                                                         | Reaffirmation Statement                                                               |
| <ul><li>RCRA Hazardous Waste Analysis</li><li>Chain of Custody</li></ul> | Keaffirma lion statement                                                              |
| X Chain of Custody                                                       |                                                                                       |
|                                                                          | La malla Commissa Redispetive Metodial (NORM) pursuant                                |
|                                                                          | Naturally Occurring Radioactive Material (NORM) pursuant                              |
| to 20 NMAC 3.1 subpart 1403.C and D.                                     | ·                                                                                     |
|                                                                          |                                                                                       |
| Name (Original Signature): Kau                                           | <u></u>                                                                               |
| Title: Zacilities Supervisor                                             |                                                                                       |
| Date: /1/7/00                                                            |                                                                                       |
| Date. 1 2/1                                                              |                                                                                       |



### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

2/17/00

Printed Name

Les Baugh

Title / Agency

FACILITIES Supervision

Address

3250 Southeide River Road

FARMINGTON NEW Mexico 8

Signature

12/7/00

Date

#:9975755903



Reply:BJ Services Company, USA 3250 Southside River Road Farmington, NM 87401 Phone: (505) 327-6222 Fax: (505) 326-3755

## **FARMINGTON DISTRICT**

| Date: 12 / 7/00              | Time: 10:40 A.M.       |
|------------------------------|------------------------|
| To: Envirtect , cluc         | Fax Number: 632 - 1865 |
| Attn: Harlon Brown           | Number of Pages:       |
| From: Les Rough - Farmington | Including Cover: 3     |
|                              |                        |
| Comment:                     |                        |
|                              |                        |

February 17, 2000

Mr. Les Baugh BJ Services 3250 E. Southside River Rd. Farmington, NM 87401

Client No.: 95026-01 Job No.: 502601

Phone: (505) 327-6222

Dear Mr. Baugh, -

Enclosed are the analytical results for the sample collected from the location designated as "3250 Southside River Rd., Farmington, NM". One sludge sample was collected by Envirotech personnel on 2/10/00, and received by the Envirotech laboratory on 2/10/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7672 and assigned Laboratory No. G810 (Wash Bay Sludge) for tracking purposes.

The sample was analyzed 2/10/00 through 2/16/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.** 

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/BJ.wpd



### SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Client: Sample ID: **B J Services** 

Project #:

502601

Wash Bay Sludge

Date Reported:

02-10-00

Lab ID#:

G810

Date Sampled:

02-10-00

Sample Matrix:

Sludge

Date Received:

02-10-00

Preservative:

Cool

Date Analyzed:

02-10-00

Condition:

Cool and Intact

Chain of Custody:

7672

**Parameter** 

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

08.8 = Hq

**REACTIVITY:** 

Negative

RCRA Hazardous Waste Criteria

**Parameter** 

**Hazardous Waste Criterion** 

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

**CORROSIVITY:** 

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.

(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.



### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

|                    |                 | •                   | ,        |
|--------------------|-----------------|---------------------|----------|
| Client:            | BJ Services     | Project #:          | 502601   |
| Sample ID:         | Wash Bay Sludge | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810            | Date Sampled:       | 02-10-00 |
| Chain-of Custody:  | 7672            | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract    | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool            | Date Analyzed:      | 02-14-00 |
| Condition:         | Cool & Intact   | Analysis Requested: | TCLP     |
|                    |                 |                     |          |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | 0.0129        | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | 0.0038        | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |  |
|---------------------------|--------------------|------------------|--|
|                           | Trifluorotoluene   | 98%              |  |
|                           | Bromofluorobenzene | 99%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

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### EPA METHOD 8040 PHENOLS

| Client:            | BJ Services     | Project #:          | 502601   |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810            | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7672            | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract    | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool            | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool & Intact   | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |  |
|-----------------------|----------------------|------------------|--|
|                       |                      |                  |  |
|                       | 2-Fluorophenol       | 98%              |  |
|                       | 2,4,6-Tribromophenol | 99%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

3250 Southside River Rd., Farmington, NM.

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## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | BJ Services     | Project #:          | 502601   |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810            | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7672            | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract    | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool            | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool and Intact | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | · ND                    | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

Note:

| QA/QC Accep | otance Criteria       | Parameter                                                                      | Percent Recovery          |
|-------------|-----------------------|--------------------------------------------------------------------------------|---------------------------|
|             |                       | 2-fluorobiphenyl                                                               | 99%                       |
| References: | Method 1311, Toxicity | Characteristic Leaching Procedure, S                                           | sW-846, USEPA, July 1992. |
|             | - •                   | ory Funnel Liquid-Liquid Extraction, S<br>matics and Cyclic Ketones, SW-846, I |                           |

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 3250 Southside River Rd., Farmington, NM.

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## EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | BJ Services       | Project #:       | 502601      |
|--------------------|-------------------|------------------|-------------|
| Sample ID:         | Wash Bay Sludge   | Date Reported:   | 02-16-00    |
| Laboratory Number: | G810              | Date Sampled:    | 02-10-00    |
| Chain of Custody:  | 7672 [.] | Date Received:   | 02-10-00    |
| Sample Matrix:     | TCLP Extract      | Date Analyzed:   | 02-16-00    |
| Preservative:      | Cool              | Date Extracted:  | 02-11-00    |
| Condition:         | Cool & Intact     | Analysis Needed: | TCLP metals |

| Parameter | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Level<br>(mg/L) |
|-----------|-------------------------|-------------------------|-------------------------------|
|           |                         |                         |                               |
| Arsenic   | 0.067                   | 0.001                   | 5.0                           |
| Barium    | 0.585                   | 0.001                   | 21                            |
| Cadmium   | 0.035                   | 0.001                   | 0.11                          |
| Chromium  | 0.022                   | 0.001                   | 0.60                          |
| Lead      | 0.031                   | 0.001                   | 0.75                          |
| Mercury   | ND                      | 0.001                   | 0.025                         |
| Selenium  | 0.037                   | 0.001                   | 5.7                           |
| Silver    | 0.016                   | 0.001                   | 0.14                          |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

3250 Southside River Rd., Farmington, NM.

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## QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-14-TCV        | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-14-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      | Concentration           | Detection | Regulatory |
|----------------------|-------------------------|-----------|------------|
| Parameter            | Concentration<br>(mg/L) | Limit     | Limits     |
| raiametei            | (ilig/L)                | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND                      | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND                      | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND                      | 0.0001    | 200        |
| Chloroform           | ND                      | 0.0001    | 6.0        |
| Carbon Tetrachioride | ND                      | 0.0001    | 0.5        |
| Benzene              | ND                      | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND                      | 0.0001    | 0.5        |
| Trichloroethene      | ND                      | 0.0003    | 0.5        |
| Tetrachloroethene    | ND                      | 0.0005    | 0.7        |
| Chlorobenzene        | ND                      | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND                      | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter                 | Percent Recovery |
|---------------------------|---------------------------|------------------|
|                           |                           |                  |
|                           | Trifluorotoluene          | 100%             |
|                           | <b>Bromofluorobenzene</b> | 100%             |
|                           | •                         |                  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

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## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC        | Project #:          | N/A      |
|--------------------|--------------|---------------------|----------|
| Sample ID:         | Method Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCV    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 02-14-00 |
| Condition:         | N/A          | Date Extracted:     | 02-11-00 |
|                    |              | Analysis Requested: | TCLP     |

|                      | Concentration | Detection<br>Limit | Regulatory<br>Limits |
|----------------------|---------------|--------------------|----------------------|
| Parameter            | (mg/L)        | (mg/L)             | (mg/L)               |
| Vinyl Chloride       | ND            | 0.0001             | 0.2                  |
| 1,1-Dichloroethene   | ND            | 0.0001             | 0.7                  |
| 2-Butanone (MEK)     | ND            | 0.0001             | 200                  |
| Chloroform           | ND            | 0.0001             | 6.0                  |
| Carbon Tetrachloride | ND            | 0.0001             | 0.5                  |
| Benzene              | ND            | 0.0001             | 0.5                  |
| 1,2-Dichloroethane   | ND            | 0.0001             | 0.5                  |
| Trichloroethene      | ND            | 0.0003             | 0.5                  |
| Tetrachioroethene    | ND            | 0.0005             | . 0.7                |
| Chlorobenzene        | ND            | 0.0003             | 100                  |
| 1,4-Dichlorobenzene  | ND            | 0.0002             | 7.5                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acce  | otance Criteria         | Parameter                             | Percent Recovery         |
|-------------|-------------------------|---------------------------------------|--------------------------|
|             |                         | Trifluorotoluene                      | 99%                      |
|             |                         | Bromofluorobenzene                    | 98%                      |
| References: | Method 1311, Toxicity C | Characteristic Leaching Procedure, SW | /-846, USEPA, July 1992. |
|             | Method 5030, Purge-and  | d-Trap, SW-846, USEPA, July 1992.     |                          |
|             | Method 8010, Halogena   | ited Volatile Organic, SW-846, USEPA  | , Sept. 1994.            |
|             | Method 8020, Aromatic   | Volatile Organics, SW-846, USEPA, S   | Sept. 1994.              |
| Note:       | Regulatory Limits based | I on 40 CFR part 261 Subpart C sectio | on 261.24, July 1, 1992. |
| Comments:   | QA/QC for samples       | s G810 - G811 and G836.               |                          |

Analyst R. Queran



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 02-16-00 |
| Laboratory Number:  | G810             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 02-14-00 |
| Condition:          | N/A              | Date Extracted: | 02-11-00 |

| Duplicate            |        |        |           |            |
|----------------------|--------|--------|-----------|------------|
|                      | Sample | Sample | Detection |            |
|                      | Result | Result | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L) | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND     | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND     | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | 0.0129 | 0.0129 | 0.0001    | 0.0%       |
| Chloroform           | ND ND  | ND     | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND     | 0.0001    | 0.0%       |
| Benzene              | 0.0038 | 0.0038 | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND     | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND     | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND     | 0.0005    | 0.0%       |
| Chlorobenzene        | ND ·   | ND     | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND     | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

**Comments:** 

QA/QC for samples G810 - G811 and G836.

Analyst



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: QA/QC Project #: N/A Sample ID: Matrix Spike Date Reported: 02-16-00 Laboratory Number: G810 Date Sampled: N/A Sample Matrix: TCLP Extract Date Received: N/A Analysis Requested: **TCLP** Date Analyzed: 02-14-00 Condition: N/A Date Extracted: 02-11-00

|                      |        |        | Spiked        |        |          | SW-846  |
|----------------------|--------|--------|---------------|--------|----------|---------|
|                      | Sample | Spike  | Sample Sample | Det.   | •        | % Rec.  |
|                      | Result | Added  | Result        | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L)        | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495        | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494        | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | 0.0129 | 0.050  | 0.0624        | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498        | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491        | 0.0001 | 98%      | 43-143  |
| Benzene              | 0.0038 | 0.050  | 0.0536        | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494        | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494        | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494        | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494        | 0.0003 | 99%      | 38-150  |
| 1,4-Dichlorobenzene  | ND     | 0.050  | 0.0494        | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

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### EPA METHOD 8040 PHENOLS

### Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-15-00 |
| Condition:         | N/A [·] | Analysis Requested: | TCLP     |

| Analytical Results    | Concentration | Detection<br>Limit | Regulatory<br>Limit |
|-----------------------|---------------|--------------------|---------------------|
| Parameter             | (mg/L)        | (mg/L)             | (mg/L)              |
| o-Cresol              | ND            | 0.020              | 200                 |
| p,m-Cresol            | ND            | 0.040              | 200                 |
| 2,4,6-Trichlorophenol | ND            | 0.020              | 2.0                 |
| 2,4,5-Trichlorophenol | ND            | 0.020              | 400                 |
| Pentachlorophenol     | ND            | 0.020              | 100                 |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       |                      |                  |
| ·                     | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen R. Cylinen Analyst

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## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCA     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact | Date Analyzed:      | 02-15-00 |
|                    |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND ·                    | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | / Parameter          | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       |                      |                  |
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Oglew Analyst

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## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
|                    |                  | •                   |          |
| Sample ID:         | Matrix Duplicate | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact    | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND `                       | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter      | Maximum Difference |  |
|----------------------------|----------------|--------------------|--|
| •                          |                |                    |  |
|                            | 8040 Compounds | 30.0%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst A. Ogicia



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCLP     |

| (mg/L) | (mg/L)                     | Limit<br>(mg/L)                                          |
|--------|----------------------------|----------------------------------------------------------|
|        | <u> </u>                   |                                                          |
| ND     | 0.020                      | 5.0                                                      |
| ND     | 0.020                      | 3.0                                                      |
| ND     | 0.020                      | 2.0                                                      |
| ND     | 0.020                      | 0.5                                                      |
| ND     | 0.020                      | 0.13                                                     |
| ND     | 0.020                      | 0.13                                                     |
|        | ND<br>ND<br>ND<br>ND<br>ND | ND 0.020<br>ND 0.020<br>ND 0.020<br>ND 0.020<br>ND 0.020 |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

2-fluorobiphenyl

97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst L. Claren

Mistini m Lasters



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| Client:            | QA/QC           | Project #:          | . N/A    |
|--------------------|-----------------|---------------------|----------|
| Sample 1D:         | Method Blank    | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TBN       | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 02-11-00 |
| Condition:         | Cool and Intact | Date Analyzed:      | 02-15-00 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachioroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

|                           |              | <br>                 |
|---------------------------|--------------|----------------------|
| QA/QC Acceptance Criteria | Parameter    | <br>Percent Recovery |
| White Acceptance Officia  | . I diametei | i ercent itecovery   |
|                           |              | <br>                 |

2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen h. Aplic

Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 02-11-00 |
| Condition:         | N/A              | Date Analyzed:      | 02-15-00 |
|                    | •                | Analysis Requested: | TCLP     |

| Parameter           | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Percent<br>Difference | Det.<br>Limit<br>(mg/L) |  |
|---------------------|----------------------------|-------------------------------|-----------------------|-------------------------|--|
| Pyridine            | ND                         | ND                            | 0.0%                  | 0.020                   |  |
| Hexachloroethane    | ND                         | ND .                          | 0.0%                  | 0.020                   |  |
| Nitrobenzene        | ND                         | ND                            | 0.0%                  | 0.020                   |  |
| Hexachlorobutadiene | ND                         | ND                            | 0.0%                  | 0.020                   |  |
| 2,4-Dinitrotoluene  | ND                         | ND                            | 0.0%                  | 0.020                   |  |
| HexachloroBenzene   | ND                         | ND ⁻               | 0.0%                  | 0.020                   |  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen L. Gleen

Réview



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A        |
|---------------------|-----------------|-----------------|------------|
| Sample ID:          | 02-16-TCM QA/QC | Date Reported:  | · 02-16-00 |
| Laboratory Number:  | G810            | Date Sampled:   | · N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A        |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 02-16-00   |
| Condition:          | N/A             | Date Extracted: | N/A        |

| Blank & Duplicate | Control of the second control of the second | Method        | Detection |       |       | %    | Acceptance        |
|-------------------|---------------------------------------------|---------------|-----------|-------|-------|------|-------------------|
| Conc. (mg/L)      | Blank<br>ND                                 | * Blank<br>ND | 0.001     | 0.067 | 0.066 | 1.5% | Range<br>0% - 30% |
| Barium            | ND                                          | ND            | 0.001     | 0.585 | 0.582 | 0.5% | 0% - 30%          |
| Cadmium           | ND                                          | ND            | 0.001     | 0.035 | 0.035 | 0.0% | 0% - 30%          |
| Chromium          | ND                                          | ND            | 0.001     | 0.022 | 0.022 | 0.0% | 0% - 30%          |
| Lead              | ND                                          | ND            | 0.001     | 0.031 | 0.031 | 0.0% | 0% - 30%          |
| Mercury           | ND                                          | ND            | 0.001     | ND    | ND    | 0.0% | 0% - 30%          |
| Selenium          | ND                                          | ND            | 0.001     | 0.037 | 0.036 | 2.7% | 0% - 30%          |
| Silver            | ND                                          | ND            | 0.001     | 0.016 | 0.016 | 0.0% | 0% - 30%          |

| Spike #        | s Spike:           | Sampl           | Spiked | iPereni     | Acceptance |
|----------------|--------------------|-----------------|--------|-------------|------------|
| - Conc. (mo/L) | Marsa Marsa, Added |                 | Sample | Recovery 23 | Range -    |
| Arsenic        | 0.500              | 0.067           | 0.566  | 99.8%       | 80% - 120% |
| Barium         | 0.500              | 0.585           | 1.08   | 99.8%       | 80% - 120% |
| Cadmium        | 0.500              | 0.035           | 0.534  | 99.8%       | 80% - 120% |
| Chromium       | 0.500              | 0.022           | 0.521  | 99.8%       | 80% - 120% |
| Lead           | 0.500              | 0.031           | 0.530  | 99.8%       | 80% - 120% |
| Mercury        | 0.050              | ND ⁻ | 0.049  | 98.0%       | 80% - 120% |
| Selenium       | 0.500              | 0.037           | 0.535  | 99.6%       | 80% - 120% |
| Silver         | 0.500              | 0.016           | 0.515  | 99.8%       | 80% - 120% |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst

# **CHAIN OF CUSTODY RECORD**

|                                    |                            |              | <del></del> |         |             |          |                      |          |              |                                                  |                                              |                                                  |                                                  |                |        |             |              |
|------------------------------------|----------------------------|--------------|-------------|---------|-------------|----------|----------------------|----------|--------------|--------------------------------------------------|----------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------|--------|-------------|--------------|
| Client / Project Name  BJ Services | Project Location 325050-th | side R       | ituer Red   | •       |             |          |                      | A        | NALYS        | IS / PAF                                         | RAMETE                                       | :RS                                              |                                                  |                |        |             |              |
| Sampler:                           |                            | <del></del>  | Client No.  |         | <u></u>     |          | 100                  | 4        |              | T                                                |                                              | T                                                | T                                                | Re             | marks  | <br>e       |              |
| HARLUN M.                          | Brown                      | )<br>        | 95020       | -01     |             |          | No. of<br>Containers | 15 CA    |              |                                                  |                                              |                                                  |                                                  |                |        |             |              |
| Sample No./                        | Sample                     | Sample       | Lab Number  |         | Sample      |          | Sont R               | 14%      |              |                                                  |                                              |                                                  |                                                  |                |        |             |              |
| Identification                     | Date                       | Time         | <b></b>     |         | Matrix      |          | <del> </del>         | <u> </u> | <del> </del> | ļ                                                |                                              | <del> </del>                                     | <del> </del>                                     | <del> </del>   |        |             |              |
| wash Bay<br>Sladye                 | 2.10.00                    | 8:55         | 68/0        | <       | Sludge      | <u>.</u> | 1                    |          |              |                                                  |                                              |                                                  |                                                  |                |        |             |              |
| 3,003                              |                            |              |             |         | <del></del> | -        | <u> </u>             |          | <u> </u>     | <del>                                     </del> | <del> </del>                                 | <del> </del>                                     | +                                                |                |        |             | _            |
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|                                    |                            |              |             |         |             |          |                      |          | ,            |                                                  |                                              |                                                  |                                                  |                |        |             |              |
|                                    |                            |              |             |         |             |          |                      |          |              |                                                  |                                              |                                                  |                                                  | 1              |        |             |              |
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| p.21                               |                            |              |             | +       |             |          | <del> </del>         |          |              |                                                  |                                              |                                                  | <del>                                     </del> |                |        |             | <del></del>  |
|                                    |                            |              |             | +       |             |          | <del></del>          |          |              | <del> </del>                                     |                                              | <del>                                     </del> | †                                                |                |        |             |              |
|                                    |                            |              |             | -       |             |          | <b> </b>             |          | <u> </u>     | <u> </u>                                         |                                              |                                                  | -                                                |                |        |             | <del> </del> |
|                                    |                            | <u></u>      |             | +       |             |          |                      |          | <del></del>  | <del> </del>                                     |                                              | -                                                |                                                  |                |        | <del></del> |              |
| Relinquished by: (Signatu          | ıre)                       |              |             | Date    | Time        | Recei    | ved by:              | (Signatu | ire) o       | -                                                | <u>ـــــــ</u> ـــــــــــــــــــــــــــــ | ــــــــــــــــــــــــــــــــــــــ           | ـــــــــــــــــــــــــــــــــــــ            |                | ate    | Ti          | me           |
| Halon                              |                            | $\sim$       | 1           |         | 10:03       |          |                      | (0.3     | 7            |                                                  | 1                                            | <i>~</i> .                                       |                                                  | ļ              | ,00    | 1           | :03          |
| Relinquished by: (Signatu          |                            |              |             | A-1,000 | 10          | Recei    | ved by:              | (Signatu | ire)         | 7                                                | <u> بود</u>                                  | <u>س۔</u>                                        |                                                  | 010            | ,,,,,  | 100         | 5            |
|                                    |                            |              |             |         | \ '         |          | VOL 2,1              | (0.8     | 10,          |                                                  |                                              |                                                  | ,                                                |                |        |             |              |
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|                                    |                            |              |             | FOV     | 'IRO        | re/      | <u>~</u> LL          | 100      | <u> </u>     |                                                  |                                              |                                                  |                                                  | Sample Re      | eceipt | <u> </u>    | ·            |
|                                    |                            |              |             |         |             |          |                      |          | <b>ン</b> .   |                                                  | -                                            |                                                  |                                                  | <del></del>    | Y      | N           | N/A          |
|                                    |                            |              |             |         | 5796 U.S    |          |                      |          |              |                                                  |                                              |                                                  | Rec                                              | eived Intact   |        |             |              |
|                                    |                            |              |             | Farmi   | ington, N   |          |                      | 87401    | i            |                                                  |                                              |                                                  | <del> </del>                                     |                | 1      |             |              |
|                                    | •                          |              |             |         | (505)       | 632-0    | D615                 | •        |              |                                                  |                                              |                                                  | Cool -                                           | - Ice/Blue Ice | 1      |             |              |

Dietric 3 - (505) 393-6161 P O. Sox 1980 Набы. NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210. P'-trict III - (505) 334-6178 7 Rio Brazos Road ر. NM 87410 مــد

District IV - (505) 827-7131

1. RCRA Exempt:

Verbal Approval Received:

3. Address of Facility Operator

New Mexico Energy Minerals and Natural Resources pertment

> 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Oil Conservation Division

Environmental Bureau Oil Conservation Division

5. Originating Site

RECEIVED

Originated 8/8/95 Submit Original

Form C-138

Plus I Copy to appropriate District Office

Env. JN: 95007-06

| HEQUEST FOR AP | PHOVAL TO ACCEPT                  | SOLID WAS IE          |
|----------------|-----------------------------------|-----------------------|
| Non-Exempt: 🔼  | Donn + Foust.<br>12.1.00<br>14:30 | 4. Generator Constati |

Envirotech Soil Remedia. Facility Landfarm #2 6. Transporter ENU worked 2. Management Facility Destination

Yes 🖂

5796 US Highway 64

No [

Farmington, NM 87401

8. State Dew Mapics

Location of Material (Street Address or ULSTR)

#### 9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

#### BRIEF DESCRIPTION OF MATERIAL:

ChamupAmine contominated soil. Texasfer line raptured between tank and Trousport on Consing dock pH ANKLYSIS Ptsus Attached. OF CON. DIV

Hauled 12/2/00, verbal approval from Roger Andreson

Estimated Volume (68 cy Known Volume (to be entered by the operator at the end of the haul)

Waste Management FacilityAuthorized Agent

TITLE: Landfarm Manager

DATE: (2.4.00

Harlan M. Brown

TELEPHONE NO. .

505-632-0615

(This space for State Use)

TYPE OR PRINT NAME:

APPROVED BY:

en TITLE: GEE SOC (5) DATE: 12/4/00

APPROVED BY:

TITLE: Environmental Cocologist DATE: 12/6/00

District - (505) 393-6161 P.O. Box 1980 Hotos, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Pi trict III - (505) 334-6178

District IY - (505) 827-7131

7 Rio Brazos Road

APPROVED BY:

c, NM 87410 مدرد

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: 95007-06

DATE:

| 1 A STATE OF THE PARTY OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S | · · · · · · · · · · · · · · · · · · ·     |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|--|--|--|--|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                               |  |  |  |  |  |
| 1. RCRA Exempt: Non-Exempt: 12.1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4. Generator Constal                      |  |  |  |  |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Main Your             |  |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Enumated                   |  |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Alexico                      |  |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11 30 mysison lane<br>Formington Du 87401 |  |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                         |  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |  |  |  |  |  |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | for transport.                            |  |  |  |  |  |
| Cheanuphnine contominated Soil. Texasfer live raptured between tank and Tronsport on lowering dock.  PH ANKLYSIS  PHSOS Attached.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |  |  |  |  |  |
| Hanled 12/2/00, verbal from Roser Anderson  Estimated Volume 168 cy Known Volume (to be entered by the operator at the end of the haul) — cy  SIGNATURE: Harlan M. Brown  TITLE: Landfarm Manager  DATE: (2.46.00  TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |  |  |  |  |  |
| (This space for State Use)  APPROVED BY: TITLE: GEOLOGY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |  |  |  |  |  |

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO B7410 (506) 334-6170 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                  | 2. Destination Name:                                                             |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Coastal Chemical, LLP                                                           | Envirotech Inc.                                                                  |
| 1130 Madison Lané                                                               | Soil Remediation Remediation Facility Landfarm #2, Hilltop,New Mexico            |
| Farmington, NM 87401                                                            | 5796 US Hwy 64. Farmington, NM 87401                                             |
| 3. Originating Site (name):                                                     | Location of the Waste (Street address &/or ULSTR):                               |
| Coastal Chemical, LLP                                                           |                                                                                  |
| 1130 Madison Lane,                                                              |                                                                                  |
| Farmington, NM 87401                                                            |                                                                                  |
| Attach list of originating sites as appropriate                                 |                                                                                  |
| 4. Source and Description of Waste                                              |                                                                                  |
| Amine based gas treating add                                                    | itive from on-site tank.                                                         |
|                                                                                 |                                                                                  |
| ·                                                                               |                                                                                  |
|                                                                                 |                                                                                  |
| <u> </u>                                                                        |                                                                                  |
|                                                                                 |                                                                                  |
| 1, Michael Meredith Coastal Chemical (Print Name)                               | representative for:                                                              |
| (Print Name)                                                                    |                                                                                  |
| Coastal Chemical                                                                | do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July, |
| 1988, regulatory determination, the above described                             |                                                                                  |
|                                                                                 |                                                                                  |
| <del></del>                                                                     | IPT oilfield waste which is non-hazardous by characteristic                      |
| analysis or                                                                     | by product identification                                                        |
| and that nothing has been added to the exempt or nor                            | n-exempt non-hazardous waste defined above.                                      |
|                                                                                 |                                                                                  |
| For NON-EXEMPT waste the following documentar                                   | tion is attached (check appropriate items):                                      |
| ✓ MSDS Information                                                              | Other (description):                                                             |
| RCRA Hazardous Waste Analysis                                                   |                                                                                  |
| Chain of Custody                                                                |                                                                                  |
|                                                                                 |                                                                                  |
| This waste is in compliance with Regulated Levels of N                          | laturally Occurring Radioactive Material (NORM) pursuant                         |
| to 20 NMAC 3.1 subpart 1403.C and D.                                            |                                                                                  |
|                                                                                 |                                                                                  |
|                                                                                 | 1. P                                                                             |
| Name (Original Signature): <u>Michael Mer</u><br>Title: <u>Jacility Manager</u> | all the                                                                          |
| tailitu mas acces                                                               |                                                                                  |
| little:                                                                         |                                                                                  |
| 1 2 2 1 2                                                                       |                                                                                  |
| Date:12/2/50                                                                    |                                                                                  |



#### Material Safety Data Sheet

The Dow Chemical Company Midland, Michigan 48674

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PAGE: 1

24-HOUR EMERGENCY PHONE NUMBER: 517-636-4400

PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE

PRODUCT CODE: 60643

EFFECTIVE DATE: 10/27/99 DATE PRINTED: 12/22/99

MSD: 006132

THE DOW CHEMICAL COMPANY, MIDLAND, MI 48674

CUSTOMER INFORMATION CENTER: 800-258-2436

2. COMPOSITION/INFORMATION ON INGREDIENTS

PROPRIETARY INGREDIENT WATER

CAS# 007732-18-5

<148

3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

COLORLESS TO LIGHT YELLOW LIQUID. SLIGHT AMINE ODOR. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. TOXIC FUMES ARE RELEASED IN FIRE SITUATIONS. 

POTENTIAL HEALTH EFFECTS (SEE SECTION 11 FOR TOXICOLOGICAL DATA.)

EYE: MAY CAUSE SEVERE EYE IRRITATION WITH CORNEAL INJURY WHICH MAY RESULT IN PERMANENT IMPAIRMENT OF VISION, EVEN BLINDNESS. VAPORS OR MISTS MAY CAUSE EYE IRRITATION.

SKIN: SHORT SINGLE EXPOSURE MAY CAUSE MODERATE SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY CAUSE SEVERE SKIN IRRITATION. A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED IN HARMFUL AMOUNTS.

INGESTION: SINGLE DOSE ORAL TOXICITY IS CONSIDERED TO BE LOW. SMALL AMOUNTS SWALLOWED INCIDENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY; SWALLOWING AMOUNTS LARGER THAN THAT MAY CAUSE INJURY. INGESTION MAY CAUSE IRRITATION OF THE MOUTH, THROAT, AND GASTROINTESTINAL TRACT.

INHALATION: IF MATERIAL IS HEATED OR AEROSOL/MIST IS PRODUCED, CONCENTRATIONS MAY BE ATTAINED THAT ARE SUFFICIENT TO CAUSE

(CONTINUED ON PAGE 2 , OVER) * OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

PAGE: 2

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PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE PRODUCT CODE: 60643

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RESPIRATORY IRRITATION.

#### 4. FIRST AID

EYE: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS IMPERATIVE. PROMPT MEDICAL CONSULTATION IS ESSENTIAL.

SKIN: WASH OFF IN FLOWING WATER OR SHOWER.

INGESTION: IF SWALLOWED, SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

NOTE TO PHYSICIAN: NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

#### 5. FIRE FIGHTING MEASURES

613

FLAMMABLE PROPERTIES FLASH POINT: >300F

METHOD USED: SETAFLASH CC

FLAMMABILITY LIMITS

LFL: NOT DETERMINED.

UFL: NOT DETERMINED.

AUTOIGNITION TEMPERATURE: NOT DETERMINED.

HAZARDOUS COMBUSTION PRODUCTS: UNDER FIRE CONDITIONS SOME COMPONENTS OF THIS PRODUCT MAY DECOMPOSE. THE SMOKE MAY CONTAIN UNIDENTIFIED TOXIC AND/OR IRRITATING COMPOUNDS. HAZARDOUS COMBUSTION PRODUCTS MAY INCLUDE AND ARE NOT LIMITED TO NITROGEN OXIDES, CARBON MONOXIDE, CARBON DIOXIDE.

OTHER FLAMMABILITY INFORMATION: THIS MATERIAL WILL NOT BURN UNTIL THE WATER HAS EVAPORATED. RESIDUE CAN BURN. SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURES POSSIBLY RESULTING IN SPONTANEOUS COMBUSTION.

EXTINGUISHING MEDIA: TO EXTINGUISH COMBUSTIBLE RESIDUES OF THIS PRODUCT USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL OR FOAM. ALCOHOL RESISTANT FOAMS (ATC TYPE) ARE PREFERRED

(CONTINUED ON PAGE 3) * OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

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IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY.

FIRE FIGHTING INSTRUCTIONS: KEEP PEOPLE AWAY. ISOLATE FIRE AREA AND DENY UNNECESSARY ENTRY. TO EXTINGUISH COMBUSTIBLE RESIDUES OF THIS PRODUCT USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, OR FOAM.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE FIRE FIGHTING CLOTHING (INCLUDES FIRE FIGHTING HELMET, COAT, PANTS, BOOTS, AND GLOVES). AVOID CONTACT WITH THIS MATERIAL DURING FIRE FIGHTING OPERATIONS. IF CONTACT IS LIKELY, CHANGE TO FULL CHEMICAL RESISTANT CLOTHING WITH SCBA. THIS WILL NOT PROVIDE SUFFICIENT FIRE PROTECTION. CONSIDER FIGHTING FIRE FROM A REMOTE LOCATION. FOR PROTECTIVE EQUIPMENT IN POST-FIRE OR NON-FIRE CLEAN UP SITUATIONS, REFER TO THE RELEVANT SECTIONS.

### 6. ACCIDENTAL RELEASE MEASURES (SEE SECTION 15 FOR REGULATORY INFORMATION)

PROTECT PEOPLE: ISOLATE AREA. MAY BE A SLIPPING HAZARD. SEE MSDS, SECTION 10, FOR INFORMATION ON STABILITY AND REACTIVITY.

PROTECT THE ENVIRONMENT: CONTAIN LIQUID TO PREVENT CONTAMINATION OF SOIL, SURFACE WATER OR GROUND WATER.

CLEANUP: CLEAN UP WITH ABSORBENT MATERIAL. AVOID MATERIALS SUCH AS SAWDUST. COLLECT MATERIAL IN SUITABLE AND PROPERLY LABELED CONTAINERS.

#### 7. HANDLING AND STORAGE

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HANDLING: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN-CONTAIN VAPORS. DO NOT CUT, DRILL, GRIND, WELD, OR PERFORM SIMILAR OPERATIONS ON OR NEAR EMPTY CONTAINERS.

STORAGE: KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
RECOMMENDED STORAGE IN A COOL, DRY PLACE AWAY FROM HIGH
TEMPERATURES, HOT PIPES, AND DIRECT SUNLIGHT. DO NOT STORE
IN ALUMINUM, BRASS, COPPER, COPPER ALLOYS.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT

(CONTINUED ON PAGE 4, OVER)

# OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

PAGE: 4

PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE PRODUCT CODE: 60643

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FOR MOST CONDITIONS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

#### PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: USE CHEMICAL GOGGLES. EYE WASH FOUNTAIN SHOULD BE LOCATED IN IMMEDIATE WORK AREA. IF VAPOR EXPOSURE CAUSES EYE DISCOMFORT, USE A FULL-FACE RESPIRATOR.

SKIN PROTECTION: USE GLOVES IMPERVIOUS TO THIS MATERIAL. WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT COULD OCCUR, USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS FACESHIELD, GLOVES, BOOTS, APRON, OR FULL-BODY SUIT WILL DEPEND ON OPERATION.

RESPIRATORY PROTECTION: FOR MOST CONDITIONS, NO RESPIRATORY PROTECTION SHOULD BE NEEDED; HOWEVER, IF MATERIAL IS HEATED OR SPRAYED, USE AN APPROVED AIR-PURIFYING RESPIRATOR.

EXPOSURE GUIDELINES: NONE ESTABLISHED.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: COLORLESS TO LIGHT YELLOW LIQUID.

ODOR: SLIGHT AMINE.

BOILING POINT: 233.8F, 112.1C VAPOR PRESSURE: 0.2 MMHG @ 20 C

VAPOR DENSITY: >1.0

SOLUBILITY IN WATER: COMPLETE SPECIFIC GRAVITY: 0.94 @ 20/20C FREEZING POINT: -28F (-33C)

#### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS. SEE STORAGE, SECTION 7.

CONDITIONS TO AVOID: PRODUCT CAN DECOMPOSE AT ELEVATED TEMPERATURES.

INCOMPATIBILITY WITH OTHER MATERIALS: AVOID CONTACT WITH HALOGENATED HYDROCARBONS, NITRITES, STRONG ACID. AVOID CONTACT WITH OXIDIZING MATERIALS. HEATING ABOVE 60C IN THE PRESENCE OF ALUMINUM CAN RESULT IN CORROSION AND GENERATION OF FLAMMABLE HYDROGEN GAS. PRODUCT MAY POTENTIALLY REACT WITH VARIOUS HALOGENATED ORGANIC SOLVENTS, RESULTING IN TEMPERATURE AND/OR PRESSURE INCREASES.

(CONTINUED ON PAGE 5) * OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

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PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE PRODUCT CODE: 60643

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HAZARDOUS DECOMPOSITION: HAZARDOUS DECOMPOSITION PRODUCTS DEPEND UPON TEMPERATURE, AIR SUPPLY AND THE PRESENCE OF OTHER MATERIALS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION (SEE SECTION 3 FOR POTENTIAL HEALTH EFFECTS. FOR DETAILED TOXICOLOGICAL DATA, WRITE OR CALL THE ADDRESS OR NON-EMERGENCY NUMBER SHOWN IN SECTION 1)

SKIN: THE DERMAL LD50 HAS NOT BEEN DETERMINED.

INGESTION: THE ORAL LD50 FOR RATS IS 1360 MG/KG.

MUTAGENICITY: NO RELEVANT INFORMATION FOUND.

12. ECOLOGICAL INFORMATION (FOR DETAILED ECOLOGICAL DATA, WRITE OR CALL THE ADDRESS OR NON-EMÈRGENCY NUMBER SHOWN IN SECTION 1)

ENVIRONMENTAL FATE

MOVEMENT & PARTITIONING: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT(S). BIOCONCENTRATION POTENTIAL IS LOW (BCF LESS THAN 100 OR LOG POW LESS THAN 3). POTENTIAL FOR MOBILITY IN SOIL IS VERY HIGH (KOC BETWEEN O AND 50).

DEGRADATION & PERSISTENCE: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT(S). BIODEGRADATION MAY OCCUR UNDER AEROBIC CONDITIONS (IN THE PRESENCE OF OXYGEN).

ECOTOXICITY: BASED LARGELY OR COMPLETELY ON DATA FOR MAJOR COMPONENT(S). MATERIAL IS PRACTICALLY NON-TOXIC TO FISH ON AN ACUTE BASIS (LC50 > 100 MG/L). ACUTE LC50 IN GOLDEN ORFE (LEUCISCUS IDUS) IS 270 MG/L. TOXICITY EC50 IN MICROORGANISMS IS 270 MG/L.

13. DISPOSAL CONSIDERATIONS (SEE SECTION 15 FOR REGULATORY INFORMATION)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. ALL DISPOSAL METHODS MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL LAWS AND REGULATIONS. REGULATIONS MAY VARY IN DIFFERENT LOCATIONS. WASTE CHARACTER-IZATIONS AND COMPLIANCE WITH APPLICABLE LAWS ARE THE RESPONSI-BILITY SOLELY OF THE WASTE GENERATOR. THE DOW CHEMICAL COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS

(CONTINUED ON PAGE 6, OVER) * OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

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PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE PRODUCT CODE: 60643

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SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS. SECTION 2 (COMPOSITION/INFORMATION ON INGREDIENTS).

FOR UNUSED & UNCONTAMINATED PRODUCT, THE PREFERRED OPTIONS IN-CLUDE SENDING TO A LICENSED, PERMITTED: INCINERATOR OR OTHER THERMAL DESTRUCTION DEVICE.

AS A SERVICE TO ITS CUSTOMERS, DOW CAN PROVIDE NAMES OF INFORMATION RESOURCES TO HELP IDENTIFY WASTE MANAGEMENT COMPANIES AND OTHER FACILITIES WHICH RECYCLE, REPROCESS OR MANAGE CHEMICALS OR PLASTICS, AND THAT MANAGE USED DRUMS. TELEPHONE DOW'S CUSTOMER INFORMATION CENTER AT 800-258-2436 OR 517-832-1556 FOR FURTHER DETAILS.

#### 14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (D.O.T.):
FOR D.O.T. REGULATORY INFORMATION, IF REQUIRED, CONSULT
TRANSPORTATION REGULATIONS, PRODUCT SHIPPING PAPERS, OR
YOUR DOW REPRESENTATIVE.

CANADIAN TDG INFORMATION FOR TDG REGULATORY INFORMATION, IF REQUIRED, CONSULT TRANSPORTATION REGULATIONS, PRODUCT SHIPPING PAPERS, OR YOUR DOW REPRESENTATIVE.

# 15. REGULATORY INFORMATION (NOT MEANT TO BE ALL-INCLUSIVE--SELECTED REGULATIONS REPRESENTED)

NOTICE: THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE SHOWN ABOVE. HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED IS GIVEN. REGULATORY REQUIREMENTS ARE SUBJECT TO CHANGE AND MAY DIFFER FROM ONE LOCATION TO ANOTHER; IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT ITS ACTIVITIES COMPLY WITH FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS. THE FOLLOWING SPECIFIC INFORMATION IS MADE FOR THE PURPOSE OF COMPLYING WITH NUMEROUS FEDERAL, STATE OR PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. SEE OTHER SECTIONS FOR HEALTH AND SAFETY INFORMATION.

#### U.S. REGULATIONS

RESERVED SERVED 
SARA 313 INFORMATION: TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS.

(CONTINUED ON PAGE 7)

* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY

PAGE: 7

PRODUCT: GAS/SPEC (R) CS-2000 GAS TREATING SOLVENT ADDITIVE PRODUCT CODE: 60643

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#### REGULATORY INFORMATION (CONTINUED)

SARA HAZARD CATEGORY: THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE 111) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES:

AN IMMEDIATE HEALTH HAZARD

TOXIC SUBSTANCES CONTROL ACT (TSCA):

ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

STATE RIGHT-TO-KNOW: THE FOLLOWING PRODUCT COMPONENTS ARE CITED ON CERTAIN STATE LISTS AS MENTIONED. NON-LISTED COMPONENTS MAY BE SHOWN IN THE COMPOSITION SECTION OF THE MSDS.

CHEMICAL NAME

CAS NUMBER LIST

PROPRIETARY INGREDIENT

PROPRIETARY PAI

PAI=PENNSYLVANIA HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).

OSHA HAZARD COMMUNICATION STANDARD:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, OR SUPERFUND):

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#### REGULATORY INFORMATION (CONTINUED)

TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO REPORTING UNDER CERCLA.

#### 16. OTHER INFORMATION

PRODUCT USE: SOLVENT FOR SELECTIVE EXTRACTION AND DISSOLUTION.

REVISION INDICATOR: REVISED SECTIONS 2, 3, 5, 9, 10 AND 15.

* OR (R) INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE. CONSULT THE DOW CHEMICAL COMPANY FOR FURTHER INFORMATION.



#### SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Client: Sample ID: Lab ID#:

Coastal Chemical Amine Upset 18926

Project #: Date Reported: Date Sampled:

500706 12-04-00 12-01-00

Sample Matrix: Preservative:

Soil Cool Date Received:

12-01-00

Date Analyzed:

12-04-00

Condition:

Cool and Intact

Chain of Custody:

9165

**Parameter** 

Result

**CORROSIVITY:** 

**Positive** 

pH = 10.8

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

1130 Madison Lane, Farmington, N.M.

# CHAIN OF CUSTODY RECORD

09165

| Client / Project Name  Coas Tal Chemical  Project  113 |                |                | Project Location 1130 MAD Farming | ison La | NE.                   |                     | ANALYSIS / PARAMETERS |          |      |    |  |        |              |        |     |     |
|--------------------------------------------------------|----------------|----------------|-----------------------------------|---------|-----------------------|---------------------|-----------------------|----------|------|----|--|--------|--------------|--------|-----|-----|
| Sampler:                                               |                |                | Client No.                        |         |                       |                     | _ω          |          |      |    |  |        | Re           | marks  |     |     |
| HARLAN M Brown 500                                     |                |                | 200.                              | 106     |                       | No. of              | ntainer 7             | _        |      |    |  |        |              |        |     |     |
| Sample No./                                            | Sample<br>Date | Sample<br>Time | Lab Number                        |         | Sample<br>Matrix      | ž                   | Containers            |          |      |    |  | -      |              |        |     |     |
| AmiNE Upsat                                            | 12.1.00        | 16:30          | 18926                             | 5       | 001                   | (                   |                       |          |      |    |  |        |              |        |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     |     |
| <br>                                                   |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              | i      |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  | 1      |              |        |     |     |
|                                                        |                |                |                                   |         | <del>,</del>          |                     |                       |          |      | •  |  |        |              |        |     |     |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     | -   |
|                                                        |                |                |                                   |         |                       |                     |                       |          |      |    |  |        |              |        |     |     |
| Relinquished by: (Signatu                              | re)            |                |                                   | Date    | Time                  | Received            | by: (Sign             | ature)   | 11   |    |  |        | C            | ate    | Tin | ne  |
| Halanu                                                 |                | $\Rightarrow$  |                                   | 12.7.00 | 17:45                 | Ch                  | is-la                 | L        | lack | e. |  |        | 19           | 1.00   | 17: | 45  |
| Relinquished by: (Signatu                              |                | -              |                                   |         |                       | Received            | by: (Sign             | ature)   |      |    |  |        |              |        |     |     |
| Relinquished by: (Signatu                              | ıre)           |                |                                   |         |                       | Received            | by: (Sign             | ature)   |      |    |  |        |              |        |     |     |
|                                                        |                |                |                                   | ENV     |                       | TEC                 |                       | <u> </u> |      |    |  |        | Sample R     | eceipt |     |     |
|                                                        |                |                |                                   |         | C Colonia Title I     |                     |                       |          |      |    |  |        | <u> </u>     | · ·    | N   | N/A |
|                                                        |                |                |                                   | 5       | 5796 U.S<br>ington, N | S. Highw            | ay 64                 |          |      |    |  | Rece   | ived Intact  |        |     |     |
|                                                        |                |                |                                   | r aimi  |                       | 632-06 ⁻ |                       |          |      |    |  | Cool - | Ice/Blue Ice |        |     |     |

District I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

#### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

Env. JN: 96052

Submit Original Plus I Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| 1. RCRA Exempt: Non-Exempt: 12.11.00 8:45 Am. 4. Generator Phillips Petroleum 8:45 Am.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                           | والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمناز والمنا |
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| Verbal Approval Received: Yes No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1. RCRA Exempt: Non-Exempt: 12・11・00 コン・15・45 Aub.                                                                                                                                                                        | 4. Generator Phillips Retroleum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2. Management racility Destination Facility Landfarm #2 6. Iransporter Communication   3. Address of Facility Operator   5796 US Highway 64 7. Location of Material (Street Address or ULSTR)   9. Circle One:  A. All requests for approval to accept cliffield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Configuration   Support                                                                                                                                                                                                                             | 5. Originating Site SJ 29-6 #3ంగ కల్గు                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 7. Location of Material (Street Address or ULSTR)  9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Conditional of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the hauli of the | 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                          | 6. Transporter Cimmaron                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Configuration of SLOD bottoms cleaning and disposed.  Norm's Attached.  DEC 2000 ON CONTROL DISTRICT  SIGNATURE: Harlan M. Brown  TITLE: Landfarm Manager  Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO.  TITLE: Cologist  DATE: 12/19/00  APPROVED BY: DATE: 12/19/00  TITLE: Cologist  DATE: 12/19/00  TITLE: Cologist  DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accepted PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 20 cy  SIGNATURE: Harlan Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO. 505-632-0615  (This space for State Use)  APPROVED BY: Derry Term Title: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (This space for State Use)  APPROVED BY: Derry Kern TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Estimated Volume 20 cy Known Volume (to be entered by the open SIGNATURE: Landfarm Maste Management Facility Authorized Agent                                                                                             | erator at the end of the haul) cy  DATE: 12.18.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| APPROVED BY: Derry Kent TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                   | EPHONE NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| APPROVED BY: Derry Kent TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| APPROVED BY: 10 DATE: 1071/100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| APPROVED BY: Staryling TITLE: gralogist DATE: 12-19-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | APPROVED BY:                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | APPROVED BY: Hangle TITLE: Gra                                                                                                                                                                                            | Logist DATE: 12-19-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

# **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                  | 2. Destination Name:                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Phillips Pstarleum<br>1525 Huy 64<br>Francing For NHM                                                           | Envirotech Soil Remediation Facility                                                                                           |
| 1525 Huy 64                                                                                                     | Landfarm #2                                                                                                                    |
| FARMING FOR NIPO                                                                                                | Hilltop, New Mexico                                                                                                            |
| 3. Originating Site (name):                                                                                     | Location of the Waste (Street address &/or ULSTR):                                                                             |
| 29.6 # 301 cpd                                                                                                  |                                                                                                                                |
| Attach list of originating sites as appropriate                                                                 | <del></del>                                                                                                                    |
| 4. Source and Description of Waste                                                                              | , <i>†</i> .                                                                                                                   |
| 29-6 # 301                                                                                                      | WATER Disposal site                                                                                                            |
| NORM = .049                                                                                                     | UR/he 20 33/s of Tank 1. Home                                                                                                  |
| Philles Osta Can                                                                                                | representative for:                                                                                                            |
| Ol.// Print Name)                                                                                               |                                                                                                                                |
|                                                                                                                 | do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification) |
| <del></del>                                                                                                     | MPT oilfield waste which is non-hazardous by characteristic by product identification                                          |
| and that nothing has been added to the exempt or no                                                             | n-exempt non-hazardous waste defined above.                                                                                    |
| For NON-EXEMPT waste only the following documed MSDS Information RCRA Hazardous Waste Analysis Chain of Custody | nentation is attached (check appropriate items): Other (description):                                                          |
| Name (Original Signature):                                                                                      |                                                                                                                                |
| Title: Sp. Sq & Sp/si                                                                                           | ·                                                                                                                              |
| Date: /2/11/00                                                                                                  | 250 4 1 2000                                                                                                                   |
|                                                                                                                 | RECEIVED DEC 1 1 2000                                                                                                          |

# INSPECTION FOR N.O.R.M. CONTAMINATION PHILLIPS PETROLEUM COMPANY

| Number of Pieces:       | 206615           |       |               |
|-------------------------|------------------|-------|---------------|
| Location Where Items    |                  |       | 30.1          |
| Background Reading:     | . 05             |       |               |
| Highest NORM readin     | g: 049           | uR/hr |               |
| Lowest NORM reading     | : 041            | uR/hr |               |
| Any samples taken, if s | so how many:     |       | <u> </u>      |
| cell                    | Pieces inspected |       |               |
| 000                     | Pieces found to  |       | contamination |
|                         | Pieces found to  |       |               |
|                         |                  |       |               |
| Remarks:                |                  |       |               |
| <del> </del>            |                  |       |               |

RECEIVED DEC 1 1 2000

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road ر...c, NM 87410 District IV - (505) 827-7131

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/9

> Submit Origina Plus I Čop to appropriat District Offic

Env. JN: 96052

| 1. HCHA Exempt: Non-Exempt: 4. Generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | REQUEST FOR APPR                                                                                                                                                      |                                                    | SOLID WASTE                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------|
| Solidinating Site 5.5 29-6 cp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1. RCRA Exempt: Non-Exempt:                                                                                                                                           | Denor Foust<br>12.11.00                            | 4. Generator                                                                           |
| 2. Management Acting Destination Facility Landfarm #2 6. Transporter Claumanes  3. Address of Facility Operator 5796 US Highway 64 7. Location of Material (Street Address or ULSTR)  9. Circle One:  A. All requests for approval to accept olifield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Pigging waste.  Norms analysis of Advance cycles and the end of the hauly 20 hbbs.  Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collection of Collectio | Verbal Approval Received: Yes 🔀                                                                                                                                       | No 🔲                                               | 5. Originating Site ST 29-6 CPD                                                        |
| 7. Location of Material (Street Address or ULSTR)  9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Piging waste.  Horms and accept oilfield exempt wastes will be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Piging waste.  Piging waste.  The Colony of Discrete and the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poperator at the end of the hauly of the poper | 2. Management Facility Destination Envirotech Facility                                                                                                                | Soil Remedia.<br>Landfarm #2                       | 6. Transporter Cimmaron                                                                |
| 9. Circle One:  A. All requests for approval to accept oliffield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2000 RECENTION OF MATERIAL:  Present and the wastes delivered are only those consigned for transport.  BRIEF 2 |                                                                                                                                                                       |                                                    | 8. State Dun Hospico                                                                   |
| 9. Circle One:  A. All requests for approval to accept oliffield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Pigging waste.  Horms awarts: Attack  DEC 2000  RECEIVED  OIL CONDIN DIST. 3  DEC 2000  SIGNATURE: Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Authorized Agent  TYPE OR PRINT NAME: Name Tellipy Agent  TYPE OR PRINT NAME: Name Tellipy Agent  TYPE OR PRINT NAME: Name Tellipy Agent  TYPE OR PRINT NAME: DATE: DATE: Name Tellipy Agent  TYPE OR PRINT NAME: DATE: DATE: Name Tellipy Agent  TYPE OR PRINT NAME: DATE: DATE: Name Tellipy Agent  TYPE OR PRINT NAME Tellipy Agent  TYPE OR PRINT NAME Tellipy Agent  TYPE OR PRINT NAME Tellipy Agent  TYPE OR PRINT NAME Tellipy Agent  TYPE OR PRINT NAME Tellipy Agent  TYPE OR PR | 7. Location of Material (Street Address or ULSTR)                                                                                                                     |                                                    | "J" Section 3 T29N-R6W                                                                 |
| Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Program waste.  Horms waster:  Horms waster:  Wester Management FacilityAuthorized Agent  Type OR PRINT NAME:  Harlan M. Brown  Title: Geologist Date: 12-19-00  APPROVED BY: Wester Management Facility Authorized Agent  Title: Geologist Date: 12-19-00  APPROVED BY: Wester Management Facility Authorized Agent  Title: Geologist Date: 12-19-00  DATE: 12-19-00  DATE: 12-19-00  TITLE: Geologist Date: 12-19-00  DATE: 12-19-00  DATE: 12-19-00  TITLE: Geologist Date: 12-19-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9. Circle One:                                                                                                                                                        |                                                    | Roo deviba County DOL                                                                  |
| Estimated Volume 20 draws cy Known Volume (to be entered by the operator at the end of the haul) 20 hb/s of SIGNATURE:  Waste Management Facility Authorized Agent  TYPE OR PRINT NAME:  Harlan M. Brown  TITLE: Landfarm Manager  TELEPHONE NO.  DATE: 12/19/00  APPROVED BY: Dearth Actual Control of the haul)  TITLE: Landfarm Manager  TELEPHONE NO.  DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Generator; one certificate per job.  B. All requests for approval to accept non-exem PROVE the material is not-hazardous and the listing or testing will be approved. | pt wastes must be acco<br>Generator's certificatio | ompanied by necessary chemical analysis to not origin. No waste classified hazardous b |
| Estimated Volume   20 dvans cy Known Volume (to be entered by the operator at the end of the haut)  SIGNATURE:   Waste Management Facility Authorized Agent  TYPE OR PRINT NAME:   Harlan M. Brown  TELEPHONE NO.  TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                        |                                                    |                                                                                        |
| SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO.  TELEPHONE NO.  TELEPHONE NO.  TELEPHONE NO.  TITLE: Landfarm Manager  DATE: 12-18-00  TODATE: 12-18-00  TODATE: 12-18-00  TODATE: 12-18-00  DATE: 12-18-00  TODATE: 12-18-00  TODATE: 12-18-00  TODATE: 12-18-00  DATE: 12-18-00  DATE: 12-18-00  TODATE: 12-18-00  DATE: 12-18-00  DATE: 12-18-00  TODATE: 12-18-00  DATE:  | Pigging waste. Horms AWALYSIS Attack                                                                                                                                  | 6 <b>OIL</b>                                       | CON                                                                                    |
| TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO. 505-632-0615  (This space for State Use)  APPROVED BY: Hemman Title: Geologist Date: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Estimated Volume 20 dvans cy Known Volume                                                                                                                             | (to be entered by the ope                          | erator at the end of the haul) 2055/s cy                                               |
| TELEPHONE NO.  (This space for State Use)  APPROVED BY: Denty of Title: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Waste Management FacilityAuthorized Agent                                                                                                                             | TITLE: Landfarm M                                  |                                                                                        |
| APPROVED BY: Deny of Tour TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TYPE OR PRINT NAME: Harlan M. Brown                                                                                                                                   | TEL                                                | EPHONE NO.                                                                             |
| APPROVED BY: Deny of Tour TITLE: Geologist DATE: 12/19/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (This space for State Use)                                                                                                                                            |                                                    |                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | APPROVED BY: Deny of Ferry                                                                                                                                            |                                                    |                                                                                        |

# INSPECTION FOR N.O.R.M. CONTAMINATION PHILLIPS PETROLEUM COMPANY

| Location: 55 29            | -4 2 CP            | D             | Date: 12-11-00           |
|----------------------------|--------------------|---------------|--------------------------|
| Survey Instrument Mode     | 1: <u>2905N</u>    | 1145          | Last Calibrated: 7/21/00 |
| Item Description:          | iging Was          | ste           |                          |
|                            |                    |               |                          |
| Number of Pieces:          | 20 bb/s            |               |                          |
| Location Where Items Or    | iginated: 💢        | -G # D        | CPD                      |
| Background Reading:        | .05                | uR/hr         |                          |
| Highest NORM reading:      | • 048              | uR/hr         |                          |
| Lowest NORM reading:_      | . 039              | _ uR/hr       |                          |
| Any samples taken, if so l | now many:          |               |                          |
|                            |                    |               | •••••                    |
| all                        | _ Pieces inspected |               |                          |
| all                        | Pieces found to be | e free of NOI | RM contamination         |
| none                       | Pieces found to h  | ave NORM o    | contamination            |
|                            |                    |               |                          |
| Remarks:                   |                    |               |                          |
|                            | ·                  |               |                          |
|                            |                    |               |                          |
| Inspector: Tina            | lenderson          | $\overline{}$ |                          |
| What is final disposition: |                    | <del></del>   |                          |
| Released to: Enuivo        |                    |               | Date: 12-11-00           |

# **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                    | 2. Destination Name:                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Phillips Psfaloum 5525 Huby 64 FARMINGTON NM                                                                      | Envirotech Soil Remediation Facility                                                                                           |
| 5525 14419 67                                                                                                     | Landfarm #2                                                                                                                    |
| TARMINETON NAM                                                                                                    | Hilltop, New Mexico                                                                                                            |
| 3. Originating Site (name):                                                                                       | Location of the Waste (Street address &/or ULSTR):                                                                             |
| 20 BB/s Fgom                                                                                                      | 29-6 #2 cpd                                                                                                                    |
| Attach list of originating sites as appropriate                                                                   | (                                                                                                                              |
| 4. Source and Description of Waste                                                                                | WASTE - RCRA EXEMPT                                                                                                            |
| NORM =                                                                                                            | .048 mR/hA                                                                                                                     |
| 1. Rossat Wistanen                                                                                                | representative for:                                                                                                            |
| Phillips Petroleur C.                                                                                             |                                                                                                                                |
|                                                                                                                   | do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification) |
| <del></del>                                                                                                       | APT oilfield waste which is non-hazardous by characteristic by product identification                                          |
| and that nothing has been added to the exempt or no                                                               | n-exempt non-hazardous waste defined above.                                                                                    |
| For NON-EXEMPT waste only the following documents MSDS Information RCRA Hazardous Waste Analysis Chain of Custody | nentation is attached (check appropriate items): Other (description):                                                          |
| Name (Original Signature): Salest A WS  Title: Salest Solst                                                       | <u></u>                                                                                                                        |
| Title: SA JAE Spels?                                                                                              |                                                                                                                                |
| Date: /4///ou                                                                                                     |                                                                                                                                |
| /                                                                                                                 | BECEIVED DEG. 1 1 2000                                                                                                         |

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Coc, NM 87410

District IV - (505) 827-7131

मानुसार के पुल देवर अस्टिल अस्तित्व के राज्य के अपने अर्थ के के किस के स्थान

# New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 97057.31

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                     |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: 1. RCRA Exempt: Non-Exempt: 1. 10・2・00 11:30 A.H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4. Generator EPFS                               |  |  |  |  |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Blanco Field Drup Storage   |  |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Hos , Exceveling                 |  |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Mexico                             |  |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HZHZ Sec 14, TZ9N, RILW<br>SWH Juan County, Duc |  |  |  |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 |  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                 |  |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Soil contaminated with appenpt pipeline Liquids  (solt water and randoms are).  DEC 2000  RECEIVED  OIL CON. DIV  DIST. 3  Estimated Volume — cy Known Volume (to be entered by the operator at the end of the main)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |  |  |  |  |  |
| SIGNATURE: Landfarm M  Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE: 12.5.00  EPHONE NO.                       |  |  |  |  |  |
| APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPRO | GIST DATE: 12/5/00                              |  |  |  |  |  |

### **CERTIFICATE OF WASTE STATUS**

| Generator Name and Address:                                                                          | 2. Destination Name:                                                                                       |  |  |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|--|
| El Paso Field Services Co.                                                                           | Envirotech Soil Remediation Facility                                                                       |  |  |
| 614 Reilly Avenuc                                                                                    | Landfarm #2                                                                                                |  |  |
| Farmington, NM 87401                                                                                 | Hilltop, New Mexico                                                                                        |  |  |
| 3. Originating Site (name):                                                                          | Location of Waste(Street address &/or ULSTR):                                                              |  |  |
| Blanco Field Drip Storage                                                                            | N/2 of N/2 of Sec 14, T29N, R11W, San Juan Co., NM                                                         |  |  |
| Altach list of originating sites as appropriate                                                      |                                                                                                            |  |  |
| Source and Description of Waste                                                                      |                                                                                                            |  |  |
| Soil contaminated with exempt pipeline liquids (mix                                                  | ked condensate and salt water).                                                                            |  |  |
| ı, David Bays                                                                                        | representative for:                                                                                        |  |  |
| (Print Name)                                                                                         |                                                                                                            |  |  |
| El Paso Field Services                                                                               | Co, do hereby certify that,                                                                                |  |  |
| according to the Resource Conservation and Reco<br>1988 regulatory determination, the above describe | very Act (RCRA) and Environmental Protection Agency's July, d waste is: (Check appropriate classification) |  |  |
|                                                                                                      | NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification   |  |  |
| and that nothing has been added to the exempt or                                                     | non-hazardous waste defined above.                                                                         |  |  |
| For NON-EXEMPT waste only, the following docur                                                       | nentation is attached (check appropriate items):                                                           |  |  |
| MSDS Information RCRA Hazardous Waste Analys Chain of Custody                                        | Other (description)                                                                                        |  |  |
| Name (Original Signature):                                                                           | id Bayn                                                                                                    |  |  |
| Title: Principal E                                                                                   | nvironmental Scientist                                                                                     |  |  |
| Date: December                                                                                       | 5, 2000                                                                                                    |  |  |

Diatrict I - (505) 393-6161 P. O. Cox 1980 Hobbs NM 88241-1980 Atrict II - (505) 748-1283 GII S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178 Rio Brazos Road c, NM 87410 مدر District IY - (505) 827-7131

Energy

New Mexico nerals and Natural Resources _ spartment NOV 2 8 2000 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

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Environmental Bureau Oil Conservation Division

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nders

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                          | SOLID WASTE                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: X                                                                                                                                                                                                                                                                                                                                                           | 4. Generator ENERGY Sorvices                                                             |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site washing                                                              |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                        | 6. Transporter Educated                                                                  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                 | 8. State New Ways des                                                                    |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                       | 4109 E. alain St.                                                                        |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                          | Faculty ton, NW 87400                                                                    |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                          |                                                                                          |
| NOV 2000  NOV 2000  PECANO OIL CON. DIV OIL  T gave verbal approval for continuity of seventrons weather conditions, (Aug Estimated Volume — cy Known Volume (to be entered by the ope                                                                                                                                                                                                  | s in These                                                                               |
| SIGNATURE: How Type OR PRINT NAME: Harlan M. Brown  TITLE: Landfarm M. Brown  TEL                                                                                                                                                                                                                                                                                                       | DATE: 11 · 2√·∞  EPHONE NO. 505-632-0615                                                 |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                              |                                                                                          |
| APPROVED BY: Deny D. Tom TITLE: Geste                                                                                                                                                                                                                                                                                                                                                   | mhul Godogis + DATE: 11/28/00                                                            |
| APPROVED BY:                                                                                                                                                                                                                                                                                                                                                                            | whim books to DATE: 'Y 28/00 1                                                           |

Pic. Box (980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pictict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410ء۔۔

# New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

92132

Env. JN:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| 1. RCRA Exempt: Non-Exempt: X                                                                                                                                                                                                                                                                                                                                                                                                         | 4. Generator ENERGY Sorvices                                                             |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--|--|
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                  | 5. Originating Site Washbay                                                              |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                      | 6. Transporter Eduiroteck                                                                |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                               | 8. State New Ulapolico                                                                   |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                     | 4109 E. Wain St.                                                                         |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                        | Faculty ton, NW 87400                                                                    |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |  |  |
| Continuetion of wash bay solids disposed  NOV 2000  NOV 2000  To continue of continue operations in these  Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul) cy  SIGNATURE: Harland The Book TITLE: Landfarm Manager DATE: 11.21.00                                                                                                                                                          |                                                                                          |  |  |
| TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                                                                                                                                                                                               | EPHONE NO                                                                                |  |  |
| (This space for State Use)  APPROVED BY: Set TITLE: GEO/G                                                                                                                                                                                                                                                                                                                                                                             | DATE: 1//22/00                                                                           |  |  |
| APPROVED BY:TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE:                                                                                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |  |  |



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RID BRAZOS ROAD AZTEC, NEW MEXICO 87419 [806] 334-6178 FAF [503]334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address:                                                      | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hollitute Energy Server                                                             | Envirotech Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4/08 E Than                                                                         | Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4/08 & Then 187401                                                                  | 5796 IIS Hwy 64 Parmingron NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3. Originating Site (name):                                                         | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Wash Boy Some as above                                                              | 4109 E Mai                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Holding Area                                                                        | Farming 21 Max                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                     | - The                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Attach list of originating sites as appropriate  4. Source and Description of Waste |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     | ( - + ) + ;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Wash Bay Solids                                                                     | ( Continuation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| S                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Doug Hodges (Runt Name)                                                             | representative for:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Haltiba Even                                                                        | do hereby certify that,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                     | y Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1988, regulatory determination, the above described v                               | Vasta is: (Chack appropriate plassification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EXEMPT pilfield waste NON-EXEM                                                      | PT cilfield waste which is non-hazerdous by characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                     | by product identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| and that nothing has been added to the exempt or non                                | -exempt ann-hazadous warte defined above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| and that nothing has been added to the exampt of his                                | -exempt northagadous waste pelmed apple.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| For NON-EXEMPT waste the following documentat                                       | ion is attached (check appropriate items):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MSDS Information                                                                    | Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RCRA Hazardaus Waste Analysis Chain of Custody                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| This waste is in compliance with Regulated Levels of N                              | aturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| to 20 NMAC 3.1 subpart 1403.C and D.                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| . ^ . / /                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Name (Original Signature):                                                          | المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس المناس ال |
| M - 1                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Title: Demen                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Date://-2/-00                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



#### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Comers area.

> Date of TCLP 2-11-00

Printed Name DOUG HODGES

Title / Agency

Address 4109 EM

Signature

Date 11-21-00 February 17, 2000

Mr. Doug Hodges Halliburton Energy Services 4109 E. Main Farmington, NM 87402

Phone: (505) 325-3575

Client No.: 92132-01 Job No.: 213201

Dear Mr. Hodges,

Enclosed are the analytical results for the sample collected from the location designated as "4109 E. Main, Farmington, NM". One sludge sample was collected by Envirotech personnel on 2/10/00, and received by the Envirotech laboratory on 2/10/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7673 and assigned Laboratory No. G811 (Wash Bay Sludge) for tracking purposes.

The sample was analyzed 2/10/00 through 2/16/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, **Envirotech**, **Inc.** 

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

risting in Waster

enc.

CMW/cmw

C:/files/labreports/Hall.wpd



#### SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Halliburton Energy Services

Project #:

Sample ID:

Wash Bay Sludge

213201 Date Reported: 02-10-00

Lab ID#:

G811

Sample Matrix:

Date Sampled:

02-10-00

Preservative:

Sludge

Date Received:

02-10-00

Cool

Date Analyzed:

02-10-00

Condition:

Cool and Intact

Chain of Custody:

7673

Parameter

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

pH = 7.60

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

**Hazardous Waste Criterion** 

IGNITABILITY:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.

(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.



#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-14-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | 、 ND          | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | 0.0429        | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | 0.0066        | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery | ent Recovery |  |
|---------------------------|--------------------|------------------|--------------|--|
|                           | Trifluorotoluene   | 98%              |              |  |
|                           | Bromofluorobenzene | 99%              |              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Alex L. apena

Mistine M Wasters
Review



#### EPA METHOD 8040 PHENOLS

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |  |
|-----------------------|----------------------|------------------|--|
|                       | 2-Fluorophenol       | 98%              |  |
|                       | 2,4,6-Tribromophenol | 99%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Mistari M Vaeten Review

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst Cycles



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool and Intact             | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

#### 2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Allen P. aferan

Review Macters



#### **EPA METHOD 1311 TOXICITY CHARACTERISTIC** LEACHING PROCEDURE TRACE METAL ANALYSIS

0.75

0.025

5.7

0.14

| Client:            | Halliburton Energy Services | Project #:       | 213201          |
|--------------------|-----------------------------|------------------|-----------------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:   | 02-16-00        |
| Laboratory Number: | G811                        | Date Sampled:    | 02-10-00        |
| Chain of Custody:  | 7673                        | Date Received:   | 02-10-00        |
| Sample Matrix:     | TCLP Extract                | Date Analyzed:   | 02-16-00        |
| Preservative:      | Cool                        | Date Extracted:  | 02-11-00        |
| Condition:         | Cool & Intact               | Analysis Needed: | TCLP metals     |
|                    |                             | Det.             | Regulatory      |
| Parameter          | Concentration<br>(mg/L)     | Limit<br>(mg/L)  | Level<br>(mg/L) |
|                    | (113)                       | 13, -/           |                 |
|                    |                             |                  |                 |
| Arsenic            | 0.064                       | 0.001            | 5.0             |
|                    |                             | 0.001<br>0.001   | 5.0<br>21       |
| Arsenic            | 0.064                       | 0.001            | 5.0             |

ND - Parameter not detected at the stated detection limit.

References:

Lead

Silver

Mercury

Selenium

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

0.001

0.001 0.001

0.001

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

0.034

0.002

0.021

0.019

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

4109 E. Main, Farmington, NM.

Analyst

Printing Malten



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



#### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

**TCLP** 

Client: QA/QC Project #: N/A Sample ID: Laboratory Blank Date Reported: 02-16-00 Laboratory Number: 02-14-TCV Date Sampled: N/A Sample Matrix: Water Date Received: N/A Preservative: N/A Date Analyzed: 02-14-00

Condition: N/A Analysis Requested:

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| 0.440.0.4                 | D          | Danie and Danie and  |
|---------------------------|------------|----------------------|
| QA/QC Acceptance Criteria | Parameter  | Percent Recovery     |
| WANGO ACCEDIANCE CINENA   | r arameter | 1 Crociil Recoursely |
| 1                         |            |                      |

Trifluorotoluene 100% Bromofluorobenzene 100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen R. Qieren

Review Malles



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC        | Project #:          | NI/A     |
|--------------------|--------------|---------------------|----------|
|                    |              | •                   | N/A      |
| Sample ID:         | Method Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCV    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 02-14-00 |
| Condition:         | N/A          | Date Extracted:     | 02-11-00 |
|                    |              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery | ĺ |
|---------------------------|-----------|------------------|---|
|                           |           |                  |   |

Trifluorotoluene Bromofluorobenzene 99% 98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. adena

Christini My Walters
Review



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 02-16-00 |
| Laboratory Number:  | G810             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 02-14-00 |
| Condition:          | N/A              | Date Extracted: | 02-11-00 |

|                      |        | Duplicate |           |            |
|----------------------|--------|-----------|-----------|------------|
|                      | Sample | Sample    | Detection |            |
|                      | Result | Result    | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | 0.0129 | 0.0129    | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND        | 0.0001    | 0.0%       |
| Benzene              | 0.0038 | 0.0038    | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND        | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

Christini my Lasters Review



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:

QA/QC

N/A

Sample ID:

Matrix Spike

17/C 02 46 00

Laboratory Number:

G810

02-16-00 N/A

Sample Matrix:

TCLP Extract

N/A

Analysis Requested:

TCLP

Date Received:

Date Analyzed:

N/A 02-14-00

Condition:

N/A

Date Extracted:

Date Reported:

Date Sampled:

Project #:

02-11-00

| Parameter            | Sample<br>Result<br>(mg/L) | Spike<br>Added<br>(mg/L) | Spiked<br>Sample<br>Result<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Percent<br>Recovery | SW-846<br>% Rec.<br>Accept.<br>Range |
|----------------------|----------------------------|--------------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|
| Vinyl Chloride       | ND                         | 0.050                    | 0.0495                               | 0.0001                  | 99%                 | 28-163                               |
| 1,1-Dichloroethene   | ND                         | 0.050                    | 0.0494                               | 0.0001                  | 99%                 | 43-143                               |
| 2-Butanone (MEK)     | 0.0129                     | 0.050                    | 0.0624                               | 0.0001                  | 99%                 | 47-132                               |
| Chloroform           | ND                         | 0.050                    | 0.0498                               | 0.0001                  | 100%                | 49-133                               |
| Carbon Tetrachloride | ND                         | 0.050                    | 0.0491                               | 0.0001                  | 98%                 | 43-143                               |
| Benzene              | 0.0038                     | 0.050                    | 0.0536                               | 0.0001                  | 100%                | 39-150                               |
| 1,2-Dichloroethane   | ND                         | 0.050                    | 0.0494                               | 0.0001                  | 99%                 | 51-147                               |
| Trichloroethene      | ND                         | 0.050                    | 0.0494                               | 0.0003                  | 99%                 | 35-146                               |
| Tetrachloroethene    | ND                         | 0.050                    | 0.0494                               | 0.0005                  | 99%                 | 26-162                               |
| Chlorobenzene        | ND                         | 0.050                    | 0.0494                               | 0.0003                  | 99%                 | 38-150                               |
| 1,4-Dichlorobenzene  | ND                         | 0.050                    | 0.0494                               | 0.0002                  | 99%                 | 42-143                               |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

Christini m Walles



#### EPA METHOD 8040 PHENOLS

### Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-15-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |               | Detection | Regulatory |
|-----------------------|---------------|-----------|------------|
| -                     | Concentration | Limit     | Limit      |
| Parameter             | (mg/L)        | (mg/L)    | (mg/L)     |
| o-Cresol              | ND            | 0.020     | 200        |
| p,m-Cresol            | ND            | 0.040     | 200        |
| 2,4,6-Trichlorophenol | ND            | 0.020     | 2.0        |
| 2,4,5-Trichlorophenol | ND            | 0.020     | 400        |
| Pentachlorophenol     | ND            | 0.020     | 100        |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen L. Glevan

Christine of Walters (Review



# EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCA     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact | Date Analyzed:      | 02-15-00 |
|                    |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND                      | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen L. Oyleum



# EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact    | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter | Maximum Difference |
|----------------------------|-----------|--------------------|
|                            |           |                    |

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Ofeecen

Review Moelen



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCLP     |

| D.                  | Concentration | Det.<br>Limit | Regulatory<br>Limit |
|---------------------|---------------|---------------|---------------------|
| Parameter           | (mg/L)        | (mg/L)        | (mg/L)              |
| Pyridine            | ND            | 0.020         | 5.0                 |
| Hexachloroethane    | ND            | 0.020         | 3.0                 |
| Nitrobenzene        | ND            | 0.020         | 2.0                 |
| Hexachlorobutadiene | ND            | 0.020         | 0.5                 |
| 2,4-Dinitrotoluene  | ND            | 0.020         | 0.13                |
| HexachloroBenzene   | ND            | 0.020         | 0.13                |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | <br>Percent Recovery |  |
|---------------------------|-----------|----------------------|--|
|                           |           |                      |  |

2-fluorobiphenyl

97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Que

Mister My Walters
Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

Client: QA/QC Project #: N/A Sample ID: Method Blank Date Reported: 02-16-00 Laboratory Number: 02-11-TBN Date Sampled: N/A Sample Matrix: TCLP Extract Date Received: N/A Preservative: Cool Date Extracted: 02-11-00 Condition: Cool and Intact Date Analyzed: 02-15-00 Analysis Requested: **TCLP** 

|                     | Concentration | Det.<br>Limit | Regulatory<br>Limit |
|---------------------|---------------|---------------|---------------------|
| Parameter           | (mg/L)        | (mg/L)        | (mg/L)              |
| Pyridine            | ND            | 0.020         | 5.0                 |
| Hexachloroethane    | ND            | 0.020         | 3.0                 |
| Nitrobenzene        | ND            | 0.020         | 2.0                 |
| Hexachlorobutadiene | ND            | 0.020         | 0.5                 |
| 2,4-Dinitrotoluene  | ND            | 0.020         | 0.13                |
| HexachloroBenzene   | ND            | 0.020         | 0.13                |

ND - Parameter not detected at the stated detection limit.

| c                          | · · · · · · · · · · · · · · · · · · · |                  |
|----------------------------|---------------------------------------|------------------|
| LONIOC Assessment Criteria | Daramatar                             | Davage Dagger    |
| QA/QC Acceptance Criteria  | Parameter                             | Percent Recovery |
|                            |                                       |                  |
|                            |                                       |                  |

#### 2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Open

Christine M Wallus
Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | 02-11-00 |
| Condition:         | N/A              | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TOLP     |

| Parameter           | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Percent<br>Difference | Det.<br>Limit<br>(mg/L) |
|---------------------|----------------------------|-------------------------------|-----------------------|-------------------------|
| Pyridine            | ND                         | ND                            | 0.0%                  | 0.020                   |
| Hexachloroethane    | ND                         | ND                            | 0.0%                  | 0.020                   |
| Nitrobenzene        | ND                         | ND                            | 0.0%                  | 0.020                   |
| Hexachlorobutadiene | ND                         | ND                            | 0.0%                  | 0.020                   |
| 2,4-Dinitrotoluene  | ND                         | ND                            | 0.0%                  | 0.020                   |
| HexachloroBenzene   | ND                         | ND                            | 0.0%                  | 0.020                   |

ND - Parameter not detected at the stated detection limit.

| 0.1/0.0 1                  | D =       | Manager Difference |
|----------------------------|-----------|--------------------|
| QA/QC Acceptance Criteria  | Parameter | Maximum Difference |
| art as recopiance officina |           |                    |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den h. Opler

Mistin M Walters
Review



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 02-16-TCM QA/QC | Date Reported:  | 02-16-00 |
| Laboratory Number:  | G810            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 02-16-00 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate    | Instrument  | .≑ Method   | Secretary of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of t |       | e Duplicati   |               | Acceptance        |
|----------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|---------------|-------------------|
| Conc. (mg/L) Arsenic | Blank<br>ND | Blank<br>ND | 7. Limit<br>0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.067 | 0.06 <b>6</b> | DIFF.<br>1.5% | Range<br>0% - 30% |
| Barium               | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.585 | 0.582         | 0.5%          | 0% - 30%          |
| Cadmium              | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.035 | 0.035         | 0.0%          | 0% - 30%          |
| Chromium             | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.022 | 0.022         | 0.0%          | 0% - 30%          |
| Lead                 | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.031 | 0.031         | 0.0%          | 0% - 30%          |
| Mercury              | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ND    | ND            | 0.0%          | 0% - 30%          |
| Selenium             | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.037 | 0.036         | 2.7%          | 0% - 30%          |
| Silver               | ND          | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.016 | 0.016         | 0.0%          | 0% - 30%          |

| Spike i de la la la la la la la la la la la la la |       |       |         | . Peroent | е имерителя             |
|---------------------------------------------------|-------|-------|---------|-----------|-------------------------|
| Conca(mole) No.                                   | Addeo |       | Sample. | Perovery  | rance - Water Range - 🗗 |
| Arsenic                                           | 0.500 | 0.067 | 0.566   | 99.8%     | 80% - 120%              |
| Barium                                            | 0.500 | 0.585 | 1.08    | 99.8%     | 80% - 120%              |
| Cadmium                                           | 0.500 | 0.035 | 0.534   | 99.8%     | 80% - 120%              |
| Chromium                                          | 0.500 | 0.022 | 0.521   | 99.8%     | 80% - 120%              |
| Lead                                              | 0.500 | 0.031 | 0.530   | 99.8%     | 80% - 120%              |
| Mercury                                           | 0.050 | ND    | 0.049   | 98.0%     | 80% - 120%              |
| Selenium                                          | 0.500 | 0.037 | 0.535   | 99.6%     | 80% - 120%              |
| Silver                                            | 0.500 | 0.016 | 0.515   | 99.8%     | 80% - 120%              |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst

(Review

# CHAIN OF CUSTODY RECORD

| Client / Project Name     | ~5r S~         | -دادحی            | Project Location HIGGE H | ain<br>m. Du |                       |         |                      |          |      | A          | NALYSI      | S / PARA                              | METERS      |          |        | <del></del> |      |
|---------------------------|----------------|-------------------|--------------------------|--------------|-----------------------|---------|----------------------|----------|------|------------|-------------|---------------------------------------|-------------|----------|--------|-------------|------|
| Sampler:                  |                |                   | Client No.               | <del></del>  |                       |         | go                   | 4        |      |            |             |                                       |             | Ren      | narks  |             |      |
| Harkan M. [               | 3-06-          | •                 | 9213                     | 2-01         | •                     |         | No. of<br>ontainer   | 3 ±      |      |            |             |                                       |             |          |        |             |      |
| Sample No./               | Sample<br>Date | Sample<br>Time    | Lab Number               |              | Sample<br>Matrix      |         | No. of<br>Containers | TCLP     |      |            |             |                                       |             |          |        |             |      |
| work Boy<br>Sludge        | 02.10.00       | 9:10              | 6811                     | 5            | (ul)                  |         |                      |          |      |            |             |                                       |             |          | •      |             |      |
| <u> </u>                  |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             | 1    |
|                           |                |                   |                          |              |                       | -       |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             | -        |        |             |      |
| •                         |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
|                           |                |                   |                          |              |                       |         |                      |          |      |            |             |                                       |             |          |        |             |      |
| Relinquished by: (Signatu | nte)           |                   |                          | Date         | Time                  | Receive | ed by:               | (Signatu | re)  | $\bigcirc$ | •           | · · · · · · · · · · · · · · · · · · · | <u> </u>    | l l      | ate    | [           | me . |
| Relinquished by: (Signate |                |                   |                          | 02-10-00     | 10:05                 |         |                      | (Signatu |      | 4          | eu          | <u>~~</u>                             |             | 2.1      | 0.00   | 10          | .01  |
| Relinquished by: (Signat  | ure)           |                   | 41-7114-4-7-100          |              |                       | Receiye | ed by:               | (Signatu | īte) |            | <del></del> | · · · · · · · · · · · · · · · · · · · |             |          |        |             |      |
|                           |                | · <del>F · </del> |                          | FOV          |                       | TEC     | <u>`</u>             |          |      |            |             |                                       |             | Sample R | eceint |             |      |
|                           |                |                   |                          | ENY          | IRU                   |         |                      |          | U.   |            |             |                                       |             |          | Y      | N           | N/A  |
|                           |                |                   |                          | 5            | 5796 U.S<br>ington, N | S. High | way                  | 64       |      | •          |             |                                       | Received    | I Intact |        |             |      |
|                           |                |                   |                          |              |                       | 632-0   |                      | . 0, 40  | •    |            |             | •                                     | Cool - Ice/ | Blue Ice | 4      |             |      |

District 3 - (505) 393-6161 P. O. Box 1980 H(**)bs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410ء۔۔۔

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: <u>97018</u>

|     | REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                  | SOLID WASTE                                                                               |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1.  | RCAA Exempt: Non-Exempt: 11.15.00                                                                                                                                                                                                                                                                                                               | 4. Generator Nation                                                                       |
|     | Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                            | 5. Originating Site Haid YAND                                                             |
| 2.  | Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                   | 6. Transporter Environment                                                                |
| 3.  | Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                            | 8. State من من العنواذ م                                                                  |
| 7.  | Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                  | 7855 Souths De River Rd<br>Farmington Dar 87401                                           |
| 9.  | Circle One:                                                                                                                                                                                                                                                                                                                                     |                                                                                           |
|     | <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul> | ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by |
|     | All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                     | d for transport.                                                                          |
| BF  | RIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                   |                                                                                           |
|     | Contonation of disposee of petrole                                                                                                                                                                                                                                                                                                              | un Hydrocorboncontoniusted                                                                |
|     | Solids & Scale governated during c                                                                                                                                                                                                                                                                                                              |                                                                                           |
|     | oil Gild douveurel gas production                                                                                                                                                                                                                                                                                                               | Equipment. 182627 20 70                                                                   |
|     | Horms ANNITSUS & Equipment lost                                                                                                                                                                                                                                                                                                                 |                                                                                           |
| Est | imated Volume cy Known Volume (to be entered by the op-                                                                                                                                                                                                                                                                                         | erator at the end of the haul)                                                            |
|     | Waste Management FacilityAuthorized Agent PE OR PRINT NAME:  Harlan M. Brown  TEL                                                                                                                                                                                                                                                               | Manager DATE: (1.27.00<br>EPHONE NO. 505-632-0615                                         |
| •   | PPROVED BY: State Use)                                                                                                                                                                                                                                                                                                                          | 0/09/5/ DATE: 11/28/00                                                                    |

## **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                                                                                                        |                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                       | 2. Destination Name:                                                                                                                                                                                                   |
| Natco, 2855 Southside River RD                                                                                                                                                                        | Envirotech IBC                                                                                                                                                                                                         |
| •                                                                                                                                                                                                     | 5796 U.S. HWT 64                                                                                                                                                                                                       |
| •                                                                                                                                                                                                     | - FARMINGTON, NU 87401                                                                                                                                                                                                 |
|                                                                                                                                                                                                       | LADDEANN #2                                                                                                                                                                                                            |
| <ol> <li>Originating Site (name):         Solid generated during the cleaning eqipment, at Natco, s yard.     </li> </ol>                                                                             | Location of the Waste (Street address &/or ULSTR): ng of oil and gas production                                                                                                                                        |
| Attach list of originating sites as appropriate                                                                                                                                                       |                                                                                                                                                                                                                        |
| <ol> <li>Source and Description of Waste<br/>Contaminated dirt and sluge, from va</li> </ol>                                                                                                          |                                                                                                                                                                                                                        |
|                                                                                                                                                                                                       | . /                                                                                                                                                                                                                    |
| Richard Lumber                                                                                                                                                                                        | representative for:                                                                                                                                                                                                    |
| ( <b>Prot Name,</b><br>National Tank Co. Farmington                                                                                                                                                   |                                                                                                                                                                                                                        |
| according to the Resource Conservation and Reco                                                                                                                                                       | do hereby certify the by det (RCRA) and Environmental Protection Agency's July                                                                                                                                         |
| 1988, regulatory determination, the above describ                                                                                                                                                     | ed waste is: (Check appropriate classification)                                                                                                                                                                        |
| EXEMPT oilfield waste NON-E                                                                                                                                                                           | •                                                                                                                                                                                                                      |
|                                                                                                                                                                                                       | XEMPT cilfield waste which is non-hazardous by characteristic s or by product identification                                                                                                                           |
| EXEX EXEMPT oilfield waste NON-EXEX EXEMPT oilfield waste NON-EXEX enallysis and that nothing has been added to the exempt or                                                                         | KEMPT oilfield waste which is non-hazardous by characteristic s or by product identification r non-exempt non-hazardous waste defined above.                                                                           |
| EXEMPT cilfield waste NON-EXEMPT analysis  For NON-EXEMPT waste only the following do  MSDS Information  RCRA Hazardous Waste Analysis                                                                | XEMPT oilfield waste which is non-hazardous by characteristics or by product identification  r non-exempt non-hazardous waste defined above.  cumentation is attached (check appropriate items):  Other (description): |
| analysis  and that nothing has been added to the exempt or  For NON-EXEMPT waste only the following do  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody  Name (Original Signature): | XEMPT oilfield waste which is non-hazardous by characteristics or by product identification  r non-exempt non-hazardous waste defined above.  cumentation is attached (check appropriate items): Other (description):  |

| COMPANY                                       | LOCATION           | JOB NUMBER           |
|-----------------------------------------------|--------------------|----------------------|
| crossingers                                   | Fid &c # 2         |                      |
| Crassin jells                                 | 30-4 # 9           | 730216 21            |
| Energen<br>Amoro                              | GCU 272 DK         | 7302/622             |
| Clastinhers                                   | Call Care C        | 7302 16 23           |
| AMACO                                         | Day 2 E            | 23021624<br>23021625 |
| CONDCO                                        | Day &              | 73021627             |
|                                               |                    | 23221748             |
| Cassimbers                                    | Martinez Goston 17 | 22 22 10 61          |
|                                               | Gooch #3           | 73021756             |
| AMARO                                         | 7 H . H            | 73521756             |
| BOLACK #C5                                    | CASSINGES AME      | 7207 2 // 7          |
| POLADE CS                                     | GADSFINIER S       | 73022663             |
| Burlinglan                                    | Latinger Win E     | 73022664             |
| Beal of The Conoco                            | T 764              | 7302 2665            |
| CONDED                                        | STATE NA-1         | 73022666             |
| Florader # 2<br>We Mt AG63<br>TL Rogges C-3 c | Cross Howhers      | 22022622             |
| WE THE HOLDS                                  | CARSS Howhers      | 23023680             |
| The may 25 C-3 E                              | Cass timber's      | 7302 2681            |
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| Location: Marcos Vand (Thick land) Date: 10-26-00                                                        |
|----------------------------------------------------------------------------------------------------------|
| Survey instrument model: Lodlom 3-98 Last calibrated: 10-10-00                                           |
| Item description: RIVE Disparal Sources.                                                                 |
|                                                                                                          |
| Number of pieces:                                                                                        |
| Location where items originated: Seperators.                                                             |
| Background reading: uR/hr                                                                                |
| Highest NORM reading:uR/hr (corrected for background)                                                    |
| Lowest NORM reading:uR/hr (corrected for background)                                                     |
| Any samples taken? If so, how many?                                                                      |
| Pieces inspected.                                                                                        |
| Pieces found to be free of NORM contamination.                                                           |
| Pieces found to have NORM contamination.                                                                 |
| Remarks:                                                                                                 |
|                                                                                                          |
|                                                                                                          |
| Inspector: Jens 1 1990                                                                                   |
| What is final disposition? Sand is she to be Disposed of Peleased to: Whom it may Concern Date: 10-26-00 |
| Released to: Whom it may Concern Date: 10-26-00                                                          |



| Location: Mateo's Jaed (Mash Racle) Date: 10-26-00             |
|----------------------------------------------------------------|
| Survey instrument model: Ludlom 3-98 Last calibrated: 11-10-00 |
| Item description: Rive Dispasa ( Banacl.                       |
|                                                                |
| Number of pieces:                                              |
| Location where items originated: Sepera: 18 105                |
| Background reading: uR/hr                                      |
| Highest NORM reading:                                          |
| Lowest NORM reading:                                           |
| Any samples taken? If so, how many?                            |
| Pieces inspected.                                              |
| Pieces found to be free of NORM contamination.                 |
| Pieces found to have NORM contamination.                       |
| Remarks:                                                       |
|                                                                |
|                                                                |
| Inspector: Jam d' Millianne                                    |
| What is final disposition? Danael is all to be Disposed of     |
| Released to: When it my linear Date: 10-26-00                  |



| Location: Matter Vard (Illish Rock) Date: 10 26-00                                                                      |
|-------------------------------------------------------------------------------------------------------------------------|
| Survey instrument model: Loullin 3-76 Last calibrated: M-10-00                                                          |
| Item description: Blue Despara ( Sakal)                                                                                 |
| Number of pieces:/                                                                                                      |
| Location where items originated: Specialize                                                                             |
| Background reading: uR/hr                                                                                               |
| Highest NORM reading: uR/hr (corrected for background)                                                                  |
| Lowest NORM reading:                                                                                                    |
| Any samples taken? If so, how many?                                                                                     |
| Pieces inspected.                                                                                                       |
| Pieces found to be free of NORM contamination.                                                                          |
| Pieces found to have NORM contamination.                                                                                |
| Remarks:                                                                                                                |
|                                                                                                                         |
| Inspector:                                                                                                              |
| What is final disposition? <u>Brazil is ale to be Disposed of</u> Released to: <u>Whom I may loncoon</u> Date: 10-24-00 |
| Released to: Mom it may Oncean. Date: 10-24-00                                                                          |



| ocation: Satoris Jano White Sak Date: 10-26-20                                                             |   |
|------------------------------------------------------------------------------------------------------------|---|
| Survey instrument model: Ladlom 3-98 Last calibrated: 10-10-00                                             |   |
| tem description: Rive Dispose   Sacraf.                                                                    | · |
|                                                                                                            |   |
| Number of pieces:                                                                                          |   |
| ocation where items originated: Septentials.                                                               |   |
| Background reading:                                                                                        |   |
| Highest NORM reading: UR/hr (corrected for background)                                                     |   |
| owest NORM reading: uR/hr (corrected for background)                                                       |   |
| Any samples taken? If so, how many?                                                                        |   |
| Pieces inspected.                                                                                          |   |
| Pieces found to be free of NORM contamination.                                                             |   |
| Pieces found to have NORM contamination.                                                                   |   |
| Remarks:                                                                                                   |   |
|                                                                                                            |   |
|                                                                                                            |   |
| nspector:                                                                                                  |   |
| What is final disposition? But it the to be disposed of the leleased to: When it may broken Date: 10-26-00 |   |
| eleased to: Mon it my language Date: 10-26-00                                                              |   |



| ocation: 1/4 to's Jand Mash link Date: 10-26-00                              |   |
|------------------------------------------------------------------------------|---|
| Survey instrument model: <u>Lodlom 3-98</u> Last calibrated: <u>10-10-00</u> | ) |
| tem description: Disposa / Page /.                                           |   |
|                                                                              |   |
| Number of pieces:                                                            |   |
| ocation where items originated:                                              |   |
| Background reading: uR/hr                                                    |   |
| lighest NORM reading:uR/hr (corrected for background)                        |   |
| owest NORM reading:uR/hr (corrected for background)                          |   |
| any samples taken? If so, how many?                                          |   |
| Pieces inspected.                                                            |   |
| Pieces found to be free of NORM contamination.                               |   |
| Pieces found to have NORM contamination.                                     |   |
| emarks:                                                                      |   |
|                                                                              |   |
| · · · · · · · · · · · · · · · · · · ·                                        |   |
| espector: Chem de 192 processor                                              |   |
| that is final disposition? Record is of the Disposed of                      | , |
| eleased to: Alhom it my Concern Date: 10-26-00                               |   |

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Protect III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

c, NM 87410 مدر

# New Mexico Energy Active and Natural Resources Department

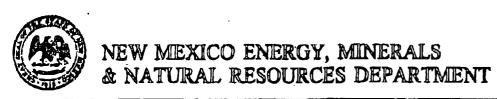
Oil Conservation Division 2040 South Pacheco Street Santa Fe. New Mexico 87505

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 95031

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | OOLID WASTE                   |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|--|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4. Generator Red Code Courses |  |  |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site リム・マシ しつ  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Epulius teal   |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Colorado.            |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sec16, T 33 N, R9W            |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Laplota Country, Co.          |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |  |  |
| All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Cartroleum Hydrocarlan Carlaminated Soil generated & cleaner of water transfer Live on 44.20 (Inc. doing).  BIN Acizna Wild generat Attacled  NOV 2000  PECETVED  On CON DIV  DIST. 3  Estimated Volume  Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartroleum Cartr |                               |  |  |
| APPROVED BY: APPROVED BY: APPROVED BY: TITLE: 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | '- <del>-</del>               |  |  |



GIL CONSERVATION DIVISION AZTED DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 47410 (400) 334-8178 Fax (505)134-6170

GARY E, JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

Dectiontion Names

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| RED CEDAR GATHERING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Envirotech Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 26266 HWY 160                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Soil Remediation Remediation Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Durongo, CO 81302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Landfarm #2, Hilltop, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4 , 81807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5796 US Hwy 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4A-20 LIDEDrip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| See IL, T33N, R9W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| La Plata Country, Colovado                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Attach list of originating sites as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4. Source and Description of Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LINE Drain @ LUNGBAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | b. 15 as ideal and a day of the same of the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Later to Defend day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | All de Annual                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| from Line Drip to The                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IK my gramme 1 1/2 18 begans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Status Young                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | representative for:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (Print Northe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RED COLLAR GHOCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | do hereby certify that,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| according to the Resource Conservation and Recove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ery Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1988, regulatory determination, the above described                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | waste is: (Check appropriete despification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| EXEMPT oilfield waste NON-EXE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MPT oilfield waste which is non-hazardous by characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| nd that nothing has been added to the exempt or no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | on-exempt non-hazardous waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| For NON-EXEMPT waste the following document                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ation is attached (check appropriate Items):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MSDS Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RCRA Hazardous Waste Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| o 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| itle: SAFBJO 1 BANIRED PAPER MANAUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| +810-382-0462 L-624 P.02/02 F-641                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ov-14-00 12:25pm From-RED CEDAR GATHERING SERVICES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

# CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from the 4A-20 Line Drip @ Sec. 16 of T33N, R9W and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

| X     | waste by definition                                                                           |  |  |
|-------|-----------------------------------------------------------------------------------------------|--|--|
|       | The material is exempt from regulation by characteristic analyses                             |  |  |
|       | This material is exempt from regulation by product identification                             |  |  |
| Asar  | EFORE:<br>epresentative for the Bureau of Indian Affairs, I have no objection to the material |  |  |
| being | removed to New Mexico.                                                                        |  |  |
| being | NAME: Kenneth J. Young TITLE: Acting Superintendent                                           |  |  |
| _     | NAME: Kenneth J. Young TITLE: Acting Superintendent                                           |  |  |
| _     | NAME: Kenneth J. Young TITLE: Acting Superintendent                                           |  |  |

PHONE: (970) 563-4514

Diatrict & (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 7 Rio Brazos Road c, NM 87410ء۔۔۔

### New Mexico Energy Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN:

| rict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                                                            | Env. JN:                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                      | SOLID WASTE                                                                                |
| 1. RCRA Exempt: Non-Exempt: 11.15.00                                                                                                                                                                                                                                                                                                                                                                                | 4. Generator                                                                               |
| Verbal Approval Heceived: Yes 🔀 No 🛄                                                                                                                                                                                                                                                                                                                                                                                | 5. Originating Site Javious                                                                |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                    | 6. Transporter Environtech                                                                 |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                             | 8. State Man Maroico                                                                       |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                   | 2855 Souths Da River Rd<br>Farmenton, Da                                                   |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be acc Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigner.</li> </ul> | ompanied by necessary chemical analysis t<br>on of origin. No waste classified hazardous b |
| Solids & scale goveraled as a result of production equipment.  Norms MARCESIS Affected  Listof producers and Cacations  Estimated Volume 5 drms cy Known Volume (to be entered by the op                                                                                                                                                                                                                            | NOV 2000  RECEIVED CROON DIV DIST. 3                                                       |
| SIGNATURE: Standfarm No. Brown  TITLE: Landfarm No. Brown  TEL                                                                                                                                                                                                                                                                                                                                                      | Manager DATE: ((:15.00) EPHONE NO. 505-632-0615                                            |
| (This space for State Use)  APPROVED BY: Derry Tour TITLE: 600/6                                                                                                                                                                                                                                                                                                                                                    | 09/37 DATE: 11/15/00                                                                       |

# **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name:                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Natco, 2855 Southside River F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D Environech Soil Romediation Facility                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Landfarm #72                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5796 U.S. Hwy 64                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Farmenglon DU. 87401                                                                                                                                                                                                                                                                                                                         |
| 3. Originating Site (name):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Location of the Waste (Street address &/or ULSTR); a cleaning of oil and gas production                                                                                                                                                                                                                                                      |
| Solid generated during the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | e cleaning of oil and gas production                                                                                                                                                                                                                                                                                                         |
| eqipment, at Natco,s yard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ·                                                                                                                                                                                                                                                                                                                                            |
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| Attach list of originating sites as appropriat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                              |
| 4. Source and Description of Waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                              |
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| die die die die die die die die die die                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TIME VALIDUS TOCACIONIS SEE ACCACONES TISCI                                                                                                                                                                                                                                                                                                  |
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| 1- Richard Lan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | fee L                                                                                                                                                                                                                                                                                                                                        |
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| National Tank Co. Farmington                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | The,                                                                                                                                                                                                                                                                                                                                         |
| National Tank Co. Farmington                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | the,  do hereby certify that,  and Recovery Act (RCRA) and Environmental Enception Agency's buy                                                                                                                                                                                                                                              |
| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | The,                                                                                                                                                                                                                                                                                                                                         |
| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | do hereby certify that,<br>and Recovery Act (RCRA) and Environmental Protection Agency's July,<br>re described waste is: (Check appropriate described waste is:                                                                                                                                                                              |
| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | do hereby certify that, and Recovery Act (RCRA) and Environmental Protection Agency's July, re described waste is: (Check appropriate described wasted)  NON-EXEMPT oilfield waste which is non-hazardous by characteristic                                                                                                                  |
| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above EXEMPT cliffeld waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | do hereby certify that, and Recovery Act (RCRA) and Environmental Protection Agency's July, re described waste is: (Check appropriate describedon)  NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification                                                                                 |
| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above EXEMPT cliffeld waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | do hereby certify that, and Recovery Act (RCRA) and Environmental Protection Agency's July, re described waste is: (Check appropriate describedon)  NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification                                                                                 |
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| National Tank Co. Farmington according to the Resource Conservation 1988, regulatory determination, the above EXEMPT cliffield waste  and that nothing has been added to the cliffield waste only the following MSDS Information  — MSDS Information — RCRA Hazardous Waste — Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | do hereby certify that, and Recovery Act (RCRA) and Environmental Protection Agency's July, we described waste is: (Check appropriate describation)  NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification  exempt or non-exempt non-hazardous waste defined above.  Other (description): |
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#### Sheet1

| COMPANY         | LOCATION            | JOB NUMBER  |
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| crossinles      | Fed Ge # 2          | 73021621    |
|                 | 30-4 9 9            | 7303/622    |
| Andre           | GCH 333 DK          | 2302/623    |
| Herace          |                     | 2302/624    |
| Clastinhais     | Day 2 E             | 2302/625    |
| Amace           | Lay 2               | 75021627    |
| Coduco          |                     | 13021748    |
| CONO CO         | Martinez Costanio   | 77 22 1951  |
| Closedinhacs    | Garl # 3            | 73221756    |
| Anaca           | Tracas House #14    | 13341136    |
| Bolack #C5      | Forest House # 14   | 73022663    |
| POLACK V.C.S    | latinson KimiE      |             |
| Buellyfor       |                     | 7372664     |
| Braing L        | - 764<br>State 28-1 | 73022665    |
| CONDED          |                     |             |
| FORMIER # 2     | Budenter            | 25022680    |
| uk M+ A663      | Cass Almbers        | 13223586    |
| TL Roydes C-3 C | Cast limber's       | 7302 26 % ( |
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| Location: Actor            | Val (Mark lack) Date: 10-26-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Survey instrument mode     | : <u>Los lon 3-98</u> Last calibrated: <u>10-10-00</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Item description:          | ve Disposal Rossel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Number of pieces:          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Location where items ori   | ginated: Specific Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Background reading:        | UR/hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Highest NORM reading:      | uR/hr (corrected for background)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lowest NORM reading:       | uR/hr (corrected for background)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Any samples taken? If se   | o, how many?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                            | Pieces inspected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                            | Pieces found to be free of NORM contamination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                            | Pieces found to have NORM contamination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Remarks:                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Inspector:                 | d Department of the second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| What is final disposition? | ledd is of the Disposed of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Released to:               | I my lonceren Date: 10-21-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



| Location: Matter Kand (Mark Mark) Date: 10-86-00                                                                        |
|-------------------------------------------------------------------------------------------------------------------------|
| Survey instrument model: Ludlum 3-98 Last calibrated: 10-10-00                                                          |
| Item description: Alve Disparal Sand                                                                                    |
|                                                                                                                         |
| Number of pieces:                                                                                                       |
| Location where items originated: Seperateur.                                                                            |
| Background reading:uR/hr                                                                                                |
| Highest NORM reading: 16.0 uR/hr (corrected for background)                                                             |
| Lowest NORM reading: uR/hr (corrected for background)                                                                   |
| Any samples taken? If so, how many?                                                                                     |
| Pieces inspected.                                                                                                       |
| Pieces found to be free of NORM contamination.                                                                          |
| Pieces found to have NORM contamination.                                                                                |
| Remarks:                                                                                                                |
|                                                                                                                         |
|                                                                                                                         |
| Inspector:                                                                                                              |
| Inspector:  What is final disposition?  See al is to be Disposed of the Released to:  Whom I may Concern Date: 10-26-00 |
| Released to: Whom I may Concern Date: 10-26-00                                                                          |



| Location: Matios Gael (Mash fack) Date: 10-26-00               |
|----------------------------------------------------------------|
| Survey instrument model: Ludlum 3-98 Last calibrated: 10-10-00 |
| Item description: Slue Dispared Branch                         |
|                                                                |
| Number of pieces:                                              |
| Location where items originated: Septem Const.                 |
| Background reading:                                            |
| Highest NORM reading: uR/hr (corrected for background)         |
| Lowest NORM reading:                                           |
| Any samples taken? If so, how many?                            |
| Pieces inspected.                                              |
| Pieces found to be free of NORM contamination.                 |
| Pieces found to have NORM contamination.                       |
| Remarks:                                                       |
|                                                                |
|                                                                |
| Inspector:                                                     |
| What is final disposition? Parel is of to be Disput of         |
| Released to: Alhem it may baceen Date: 10-20-00                |



| Location: Nates Val (Illist Rock) Date: 10-26-00                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Survey instrument model: Lullun 3-98 Last calibrated: 10-10-00                                                                                    |
| Item description: Blue Depart Sakdel                                                                                                              |
| Number of pieces:                                                                                                                                 |
| Location where items originated: Specific                                                                                                         |
| Background reading: uR/hr                                                                                                                         |
| Highest NORM reading:uR/hr (corrected for background)                                                                                             |
| Lowest NORM reading:uR/hr (corrected for background)                                                                                              |
| Any samples taken? If so, how many?                                                                                                               |
| Piece's inspected.                                                                                                                                |
| Pieces found to be free of NORM contamination.                                                                                                    |
| Pieces found to have NORM contamination.                                                                                                          |
| Remarks:                                                                                                                                          |
|                                                                                                                                                   |
| Inspector:                                                                                                                                        |
|                                                                                                                                                   |
| What is final disposition? <u>Accepted to the Disposed of the Disposed of the Date:</u> Released to: <u>Illian of may loncoon.</u> Date: 10-24-20 |



| Location: States (and alach lank) Date: 10-24-0             | <i>P</i>    |
|-------------------------------------------------------------|-------------|
| Survey instrument model: Ludlam 3-98 Last calibrated: 10-11 | 8-00        |
| Hem description: She Signary Square                         | <del></del> |
| Number of pieces:                                           |             |
| Location where items originated: September 7500s.           |             |
| Background reading: uR/hr                                   |             |
| Highest NORM reading: 16.0 uR/hr (corrected for background) | #           |
| Lowest NORM reading: uR/hr (corrected for background)       |             |
| Any samples taken? If so, how many?                         |             |
| Pieces inspected.                                           | ·<br>;      |
| Pieces found to be free of NORM contamination.              |             |
| Pieces found to have NORM contamination.                    |             |
| Remarks:                                                    |             |
|                                                             |             |
|                                                             |             |
| Inspector:                                                  |             |
| What is final disposition? Record is the to disposition?    | )           |
| Released to: When it may langer Date: 10-26-02              | 2           |

District I - (505) 393-6161 P. C. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road

APPROVED BY:

### New Mexico Energy Nunerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

| c, NM 87410<br>laurict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                                                                                    | (303) 827-7131                       | Env. JN: 96052-03                                                 |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------|--|--|
| REQUEST FOR AF                                                                                                                                                                                                                                                                                                                                                                                                                                                | PROVAL TO ACCEPT                     | SOLID WASTE                                                       |  |  |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                   | Denny Foust.                         | 4. Generator Phillips Poloslau                                    |  |  |
| Verbal Approval Received: Yes                                                                                                                                                                                                                                                                                                                                                                                                                                 | No 17:30 d.H.                        | 5. Originating Site 29-6-#301<br>ວິພິດ                            |  |  |
| 2. Management Facility Destination Envirote Facili                                                                                                                                                                                                                                                                                                                                                                                                            | ech Soil Remedia.<br>ity Landfarm #2 | 6. Transporter Ray Ewwy                                           |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Highway 64<br>on, NM 87401           | 8. State Now Marcico                                              |  |  |
| 7. Location of Material (Street Address or ULSTF                                                                                                                                                                                                                                                                                                                                                                                                              | ٦)                                   | "P" Sec 2, TZ9X RGW RioArd                                        |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |                                                                   |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul> |                                      |                                                                   |  |  |
| All transporters must certify the wastes delivered                                                                                                                                                                                                                                                                                                                                                                                                            | ed are only those consigned          | i for transport.                                                  |  |  |
| .// 00 7                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ·                                    | erator at the end of the haul) $\frac{720  \text{buls}}{2000}$ cy |  |  |
| SIGNATURE: Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                      |                                      | EPHONE NO. 505-632-0615                                           |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      | f                                                                 |  |  |
| APPROVED BY: (Tempy Jeen)                                                                                                                                                                                                                                                                                                                                                                                                                                     | TITLE: (2000                         | DATE: 11/6/00                                                     |  |  |

#### TO

CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address:                                | 2. Destination Name:                                                   |
|---------------------------------------------------------------|------------------------------------------------------------------------|
| Phillips Petroleum Co.                                        | Euro asch low FARM                                                     |
| 5525 HWY 64, 3004                                             | ENUROTECH LANDFARM  FER HUY 44 @ Angel Penks  South of Blosm Frotal NM |
| Farmington, N.M. 87401                                        | south of alosm Frotal NM                                               |
| 1 activing wit, 14.14L 6740 (                                 | Téle 622-0615                                                          |
|                                                               | 1 7810 622-0613                                                        |
| 3. Originating Site (Name):                                   | , F.                                                                   |
| 3. Originating Site (Namo):  Phillips worse Disp.  29-6 # 301 | s46 817 E                                                              |
| 19-6 # 301                                                    |                                                                        |
| 2/0                                                           |                                                                        |
|                                                               |                                                                        |
| 4. Source and Description of Waster                           |                                                                        |
| 11 State and Descripting of Waste.                            | this site from wells in one 29-6 un                                    |
| LL attens from settling To                                    | TAKS @ FACILITY                                                        |
| TANK BOTTOM                                                   | 11. I soom wells in one 29-6 un                                        |
| asimapily Trucked to                                          | This site it                                                           |
| WATER IS PRESENTED                                            |                                                                        |
|                                                               |                                                                        |
| T                                                             | :                                                                      |
| I, R.A. Wirtanen                                              | representative for.                                                    |
| (Print Name)                                                  |                                                                        |
| '.'<br>                                                       |                                                                        |
| Phillips Petroleum                                            | do hereby certify                                                      |
| that, according to the Resource Conservation                  | n Act (RCRA) and Environmental Protection                              |
| Agency's July, 1998, regulatory determination                 | on, the above described waste is:                                      |
| (Check appropriate classification)                            | 1                                                                      |
|                                                               |                                                                        |
| · ·                                                           |                                                                        |
| X EXEMPT oilfield waste                                       | NON-EXEMPT oilfield waste which is                                     |
| non-hazardous                                                 | by characteristic analysis or by product                               |
|                                                               | and that nothing has been added to the                                 |
|                                                               | azardous waste defined above.                                          |
| Onompt non in                                                 | andous waste dormos above.                                             |
| For EXEMPT waste only, the following                          | For NON-EXEMPT waste only, the following                               |
| documentation is attached (check appropriate items)           | documentation is attached (check appropriate items)                    |
| (                                                             | MSDS Information                                                       |
| X NORM Survey                                                 | TCLP Analysis                                                          |
| TCLP Analysis                                                 | Chain of Custody                                                       |
| - I day sta                                                   |                                                                        |
| :                                                             | NORM Survey                                                            |
|                                                               | Other (description)                                                    |
|                                                               |                                                                        |
|                                                               | <u> </u>                                                               |
| 2                                                             |                                                                        |
| Name (Original Single )                                       |                                                                        |
| Name (Original Signature): My W36                             |                                                                        |
| Title: Sr. Safety & Environmental Specialis                   | <u>st</u>                                                              |
| Date: 10/26/60                                                |                                                                        |
| / /                                                           |                                                                        |

# INSPECTION FOR N.O.R.M. CONTAMINATION PHILLIPS PETROLEUM COMPANY

| Location: 276 30/               | SWD                                                    |             | Date:       | 10/26       | 00     |
|---------------------------------|--------------------------------------------------------|-------------|-------------|-------------|--------|
| Survey Instrument Model         | · VIctoreed SN                                         | /145 L      | ast Calibra | ated:       | 7/21/0 |
| Item Description:               |                                                        |             |             | <u> </u>    |        |
| Tank 1                          | 3 Noms                                                 |             |             |             |        |
|                                 |                                                        |             |             | -           |        |
| Number of Pieces: 1000          | BB/5                                                   | ·<br>- /,   |             |             |        |
| Location Where Items Ori        | ginated: 29-6 an                                       | I WEllsi    | £ 5         |             |        |
|                                 |                                                        |             | ~~~~~       |             |        |
| Background Reading:             | , 03                                                   | uR∕hr       |             | :           |        |
| Highest NORM reading:_          |                                                        | uR∕hr       |             | (           |        |
| Lowest NORM reading:            |                                                        | -           |             |             |        |
| •                               |                                                        | _ diom      |             |             |        |
| Any samples taken, if so h      | ow many:                                               |             | :           |             |        |
| EARESE TWICK SUMPLES  All  NONE | Pieces inspected Pieces found to be Pieces found to ha | free of NOR | M contami   | nation      |        |
| Remarks: None                   |                                                        |             |             |             |        |
| itemarks.                       |                                                        |             | `           |             | ,      |
|                                 |                                                        |             | :           |             |        |
|                                 |                                                        | ,           |             |             |        |
| Inspector: RA W.                |                                                        |             |             |             |        |
| What is final disposition:      |                                                        |             |             |             |        |
|                                 | Ol Falin tech 1.                                       | sulfan n    | Date.       | 10/16/66    |        |
| Released to: Key Tracking       | (a) Angel PE.                                          | ok .        | Dave        | 77-7-       |        |
|                                 |                                                        |             |             |             |        |
| 00.                             |                                                        |             |             | !<br>!<br>! |        |
| cc:                             | i ·                                                    |             |             | ! :         | •      |

District I - (505) 393-6161 P.O. Bax 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road c, NM 87410 مدرد

District IV - (505) 827-7131

### New Mexico Energy Nunerals and Natural Resources Lepartment Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN: 92142

| REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--|--|--|
| 1. RCRA Exempt: Non-Exempt: Dann Fount Fount Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tours Tou | PESCO 4. Generator              |  |  |  |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site STEAM TRAKS |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter TBA              |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Marsico            |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5680 Hor 64<br>Formington, NM.  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Socials generated from alcountry and refurbishable production.  Storage toules, Separators, deligarators, and other production.  equipment.  Norms Survey Data SHEET Attached  NOV 2000  ORECTIVED CO  ORICON DIV  DIST. 3  Estimated Volume 100 bbls cy Known Volume (to be entered by the operator at the end of the haul).  You have the production and the production of the haul.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |  |  |  |
| SIGNATURE: TITLE: Landfarm M. Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EPHONE NO. 505-632-0615         |  |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |  |  |  |
| APPROVED BY: Semy from TITLE: Geolo APPROVED BY: TITLE: Greate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ′ ′ ′ / / /                     |  |  |  |

Jn: 92142

## **CERTIFICATE OF WASTE STATUS**

|                                                    | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Generator Name and Address:                     | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PESCO PESCO                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5680 Highway 64                                    | Envirotech Soil Remediation Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Farmington, New Mexico 87401                       | Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                    | Hilltop, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3. Originating Site (name):                        | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Process Equipment & Service Company                | Mainyard, stored in 55 gallon drums<br>& 18 Cubic Foot Steel Boxes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5680 US Highway 64                                 | a to cubic root Steel boxes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Farmington, New Mexico 87401                       | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Attech list of originating sites as appropriate    | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source and Description of Waste                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    | efurbishing production storage tanks,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| separators, dehydrators, and other p               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gary Howe                                          | representative for:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| (Print Name)                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Process Equipment and Service Company              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    | ary Act (RCRA) and Environmental Protection Agency's July                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 188, regulatory determination, the above described | Waste is: (Check appropriate classification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| / EXPLIPE HE LIE                                   | anne state in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the |
| <del>-</del>                                       | MPT oilfield waste which is non-hazardous by characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| analysis or                                        | r by product identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| d that authion has been added to the evenue of mon | an example and harvedous waste defined shove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| d that nothing has been added to the exempt or no  | n-exempt non-nazardous waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NON-EYEMPT waste only the following down           | manufaction is attached labour appropriate items):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| r NON-EXEMPT waste only the following docum        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MSDS Information                                   | Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RCRA Hazardous Waste Analysis                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Chain of Custody                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| $\mathcal{A}$                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| me (Original Signature): Layl Hove                 | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                    | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| le: Safety Director                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| te: 10-31-2000                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



## Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. 80X 929 • 87499 FARMING ION, NEW MEXICO PHONE: (505) 327-2222 • FAX: (505) 327-7550

#### NORM SURVEY DATA SHEET

|                                                               | •                |
|---------------------------------------------------------------|------------------|
| Facility / location: PESCO                                    | Date: 10-31-2000 |
| Meter Model: DOSIMETER 3007A Serial N                         | o: 9808-238      |
| Detector Model: DOSIMETER 3012 Serial No                      | o: 201-887-7100  |
| Calibration Date: 4-5-99                                      |                  |
| Battery Check: (大)                                            |                  |
| Background Radiation Level: 6.03 mR/hr                        |                  |
| Description of material surveyed: WASTE Studge From StEA      | AM CLEANER AREA  |
| Item / Materia                                                | al Surveyed:     |
| Waste Material: 80 approx. gals bbls Equipment: Manufacturer: | mR/hr: 0 · 0 3   |
| Serial No:                                                    |                  |
| Description:                                                  |                  |
| Job No:                                                       |                  |
| Comments: Exempt MAterial                                     |                  |
| urvey Conducted by: GARY W HOWE (Print Name)  Lay W Howe      |                  |

Districta - (505) 393-6161 P. O. Sox 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 " trict III - (505) 334-6178 Rio Brazos Road مــــc, NM 87410

District IV - (505) 827-7131

### New Mexico Energy Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

OCT 2 6 2000

Submit Original Plus I Copy to appropriate District Office

Form C-138

Originated 8/8/95

Environmental Bureau

Oil Conservation Division
Env. JN: 92132-

| REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|--|--|
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4. Generator Every Sorvices                         |  |  |  |
| Verbal Approval Received: Yes 🔲 No 😡                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5. Originating Site Hain Yard                       |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Transporter Easunestaco                          |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8. State New Hospica                                |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 409 E Main St                                       |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Faringen Du.                                        |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul> |                                                     |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |  |  |  |
| Clean up of diesel Rasidual From AcidRack onea and E Secondary Containment.  MSDS ATHACKER.  OCT 2000  OIL CON. DIV 57  OIL CON. DIV 57  OIL CON. DIV 57  OIL CON. DIV 57                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |  |  |  |
| Estimated Volume 2 draw cy Known Volume (to be entered by the operator at the end of the haul) 2 draws cy                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |  |  |  |
| SIGNATURE: TITLE: Landfarm Manager  Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9/5/ DATE: 10/24/00<br>mm/al beda is DATE: 10/20/00 |  |  |  |

District (- (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

### New Mexico Energy Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: 92132-12

| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4. Generator Every Sovutices   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Verbal Approval Received: Yes 🔲 No 🔙                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Plain Yard |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Equipments cot  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                       | 8. State New Hospics           |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                             | 409 & Main St                  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul> |                                |
| All transporters must certify the wastes delivered are only those consigned for transport.                                                                                                                                                                                                                                                                                                                                                                    |                                |
| Estimated Volume  2 drum cy Known Volume (to be entered by the operator at the end of the haul)  SIGNATURE:                                                                                                                                                                                                                                                                                                                                                   |                                |
| Wäste Management FacilityAuthorized Agent  TYPE OR PRINT NAME:  Harlan M. Brown  TELEPHONE NO.  505-632-0615                                                                                                                                                                                                                                                                                                                                                  |                                |
| APPROVED BY: 1 Serry Kent TITLE: Geologist DATE: 1924/00                                                                                                                                                                                                                                                                                                                                                                                                      |                                |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE:                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |

### RECEIVED DET 2 3 2000



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOB ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

| Halliburto Energy Service  Halliburto Energy Service  Envirotech Inc.  Soil Remediation Remediation Facility  Landfarm #2, Hilltop, New Mexico  5796 US Hwy 64, Farmington, NM 87401  Location of the Waste (Street address &/or ULSTR):  Halliburton Energy Service  4109 E, Mai 54 vect                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Farming for NM 87902 Attach list of originating sites as appropriate                                                                                                                                                                                                                                                              |
| 4. Source and Description of Waste Absorbent Material Frandits Spill.                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                   |
| representative for:    Tame 5 L. Hane   representative for:    Hallibuila   Entry   Service   do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification) |
| EXEMPT oilfield waste  NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification                                                                                                                                                                                                   |
| and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.                                                                                                                                                                                                                                    |
| For NON-EXEMPT waste the following documentation is attached (check appropriate items):  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                                                                        |
| This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                                                                                |
| Name (Original Signature): 1 / Carlie: Supervisor Shaved Servicor                                                                                                                                                                                                                                                                 |
| Date: 10-20-00                                                                                                                                                                                                                                                                                                                    |

PAGE 1

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES REVISED DATE 04-07-99 DUNCAN, OKLAHOMA 73536

DATE: 10-20-00

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359 EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

CHEMICAL CODE: DIESEL OIL - HAL-TANK PART NUMBER: 516003900

PKG QTY: 330 GALLON TANK APPLICATION: HYDROCARBON BASE

SERVICE USED: FRACTURING

* * * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * * *

COMPONENT+ + + + + + + + + + PERCENT TLV

> 60 % NOT EST NOT EST

#### PROPERTY

#### MEASUREMENT

APPEARANCE CLEAR, COLORLESS LIQUID AMINE SPECIFIC GRAVITY (H20=1) .840 BULK DENSITY 7.00 LB/GAL NOT DETERMINED РΗ SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H20 NII SLOWLY BIODEGRADABILITY

PERCENT VOLATILES 100 EVAPORATION RATE(BUTYL ACETATE=1) <1 VAPOR DENSITY 5 - 6 VAPOR PRESSURE (MMHG) 1.00 300 F / 148 C BOILING POINT (760 MMHG)

POUR POINT N/D FREEZE POINT N/D

SOLUBILITY IN SEAWATER NOT EVALUATED PARTITION COEF (OCTANOL IN WATER) NOT EVALUATED

NFPA(704) RATING:

HEALTH O FLAMMABILITY 2 REACTIVITY O SPECIAL NONE

> 100 F / > 37 C FLASH MTHD TCC FLASH POINT

AUTOIGNITION TEMPERATURE 257 C 495 F /

FLAMMABLE LIMITS (% BY VOLUME) LOWER .7 UPPER 

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

PN: 516003900 PAGE 2

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE AND CARBON MONOXIDE.

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO: NTP, IARC, AND OSHA

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT ESTABLISHED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

FYF:

MAY CAUSE EYE IRRITATION.

SKIN:

FREQUENT OR PROLONGED CONTACT WILL DRY AND DEFAT THE SKIN, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. REPEATED CONTACT MAY SENSITIZE THE SKIN.

TNHALATION -

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

VAPORS, MIST OR SPRAY MAY CAUSE IRRITATION.

INGESTION:

ASPIRATION INTO LUNGS BY INGESTION OR VOMITING, MAY CAUSE CHEMICAL PNEUMONITIS RESULTING IN EDEMA AND HEMORRAGE AND MAY BE FATAL. SYMPTOMS INCLUDE INCREASED RESPIRATORY RATE AND BLUISH DISCOLORATION OF SKIN. COUGHING AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION.

CHRONIC EFFECTS:

PROLONGED OR REPEATED APPLICATION OF A SIMILAR PRODUCT TO THE SKIN OF LAB LABORATORY MICE WITHOUT WASHING BETWEEN APPLICATIONS RESULTED IN INCREASED INCIDENCE OF SKIN TUMORS. IT IS SUSPECTED THAT TUMORS MAY BE DUE IN PART TO SEVERELY IRRITATED CONDITIONS FROM CONTINOUS CONTACT WITH THE PRODUCT. OTHER SYMPTOMS AFFECTED:

BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN

EXISTING DERMATITIS.
------ EMERGENCY AND FIRST AID PROCEDURES

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN

PROMPTLY WASH SKIN WITH SOAP AND WATER. IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! ASPIRATION INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

STABILITY: STABLE CONDITIONS TO AVOID:

HEAT, SPARKS AND OPEN FLAME.

PN: 516003900 PAGE 3

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND/OR CARBON DIOXIDE.
HAZARD POLYMERIZATION: WON"T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE.
REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT
MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS,
WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH A DUST-MIST FILTER.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

LOCAL EXHAUST VENTILATION MUST BE DESIGNED FOR EXPLOSIVE ATMOSPHERES (NEC CLASS I EQUIPMENT).

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM. OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * * *

PRECAUTIONARY LABELING DIESEL OIL - HAL-TANK

516.003900

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM. COMBUSTIBLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

DOT SHIPPING DESCRIPTION:

DIESEL FUEL - 3 - NA1993 - III

EPA SUPERFUND (SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION

PN: 516003900 PAGE 4

FIRE: Y PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y CHRONIC (DELAYED): Y MIXTURE OR PURE MATERIAL: PURE

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)

- C. EPA SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
  PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS
- D. EPA SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
  CHEMICAL CONTAINS NO TOXIC INGREDIENTS
- E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

  TSCA YES CEPA YES EEC N/D ACOIN N/D NPR YES DRSM YES
- H. EPA RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY US EPA BECAUSE OF:

IGNITABILITY

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

### HALLIBURTON ENERGY SERVICES - SHIPPING PAPERS

FOR

MOVEMENT OF MATERIALS ACCORDING TO FEDERAL REGULATION AS SPECIFIED IN CFR 49, SEC.177.817 AND 176.24

| L O | C A | T   | 101   | N :   | F     | ΑR      | ΜI  | NO  | TC  | NC           |       |          |         |     |          |          |        |     |     |            |       |            |       |       |       |       |           |       |       |     |     |     |       |     |                                         |     |     |         |
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#### DEPARTMENT OF TRANSPORTATION (DOT)

FOR PN# 516003900

HAZARD GUIDE 27

PAGE 1

DATE: 10/20/00

HALLIBURTON SERVICES
DUNCAN, OKLAHOMA 73536

REVISED DATE: 08/10/95

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359 EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

#### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

FLAMMABLE/COMBUSTIBLE MATERIAL; MAY BE IGNITED BY HEAT, SPARKS OR FLAMES.

VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK.
CONTAINER MAY EXPLODE IN HEAT OF FIRE.
VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS.
RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

#### **HEALTH HAZARDS**

MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN.
VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION.
CONTACT MAY IRRITATE OR BURN SKIN AND EYES.
FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.
RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.
EMERGENCY ACTION

KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS.

POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING WILL PROVIDE LIMITED PROTECTION.

ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN FIRE.

#### FIRE

SMALL FIRES: DRY CHEMICAL, CO2, WATER SPRAY OR REGULAR FOAM.

LARGE FIRES: WATER SPARY, FOG OR REGULAR FOAM.

MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.

APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

#### SPILL OR LEAK

SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN HAZARD AREA.

STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

WATER SPRAY MAY REDUCE VAPOR; BUT IT MAY NOT PREVENT IGNITION IN CLOSED SPACES.

SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE SPILLS: DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL.

#### FIRST AID

MOVE VICTIM TO FRESH AIR AND CALL EMERGENCY MEDICAL CARE; IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION; IF BREATHING IS DIFFICULT,

GIVE OXYGEN.

IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES. WASH SKIN WITH SOAP AND WATER.

REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.

CALL Emergency Response Telephone Number on Shipping
Paper "FIRST". If Shipping Paper "NOT AVAILABLE" OR "NO ANSWER",
CALL CHEMTREC AT 1-800-424-9300

District (505) 393-6161 P. O Joak 1980 Hobbi, NM 88241-1980 District II - (505) 748-1283 811 S. Fiet Artesia, NM 88210 Pirtict III - (505) 334-6178 7 Rio Brazos Road

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New Mexico rals and Natural Resources L artment Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

(505) 827-7131

OCT 2 6 2000

Env. JN:

Environmental Bureau Oil Conservation Division

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

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| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                     | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                        | 4. Generator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Verbal Approval Received: Yes No 🔀                                                                                                                                                                                                                                                                                                                                                                 | 5. Originating Site 32-7 CDP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                   | 6. Transporter Environted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                            | 8. State New Meroico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                  | W.F.S. 32-7 CDA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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~ ...c, NM 87410

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: 00075-01

| strict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                   | Env. JN: 00075-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                  | for transport.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BRIEF DESCRIPTION OF MATERIAL:  Clean up of Num bloton GOL SP  MSDS & RCRA RCE Attac                                                                                                                                                                                                                                                                         | : ( (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Estimated Volume 5 dorants cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                         | OCT 2000  RECONSIVE CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  OLGEN. SV  CHARLES CONT. 3  O |
| SIGNATURE: Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TELE                                                                                                                                                                                                                                                              | DATE: 10.23.00 EPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| (This space for State Use)  APPROVED BY: Demy Jean TITLE: Geolog                                                                                                                                                                                                                                                                                             | 15T DATE: 10/23/00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

No.8640 -- P. 1/4

iget.20, 2000 3:26PM EVER-READY OIL



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVIBION AZTEO DISTRICT OFFICE 1098 RIG BRAZOB ROAD AZTEC, NEW MEXICO 47410 [808] \$34-8179 Fax (585)334-4-17

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address:                                                                                   | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Petrolink/DAA Ever Ready Die                                                                                     | Envirotech Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 712 W HWY 66 POBOX 2998                                                                                          | Soil Remediation Remediation Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MILAN, WM 87021                                                                                                  | Landfarm #2, Hilltop, New Mexico<br>5796 US Hwy 64, Farmingrop, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3. Originating Site Inamel: Danduckier Conserve                                                                  | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| New Mexico. Site is referred to                                                                                  | Location of the Waste (Street address &/or ULSTR):<br>*Luc. (PDF) South of Tiffany, Ca. in<br>Middle Mede.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Attach list of originating sites as appropriets                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 4. Source and Dascription of Waste D                                                                             | To show the state of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same |
| have banding on coulm's found of                                                                                 | Trem transport was our storage when                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| At middle Man E.                                                                                                 | asus 480 (Mobil) was spilled on ground                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| at 11 110 at 1 1000. recording was appli                                                                         | From transport into bulk snowage when gasus 485 (Mobil) was spilled on ground and the spilled one.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1. Ron Autrey Petroliph (Print Name)                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| according to the Resource Conservation and Recover<br>1988, regulatory determination, the above described        | do hereby certify that.  y Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriete classification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                  | IPT cliffeld waste which is non-hazardous by characteristic by product identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| and that nothing has been added to the exempt or nor                                                             | n-exempt non-hazardous waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| For NON-EXEMPT waste the following documents:  X MSDS Information RCRA Hazardous Waste Analysis Chain of Custody | tion is attached (check appropriate items): Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| to 20 NMAC 3.1 subpart 1403.C and D.                                                                             | laturally Occurring Rediosctive Material (NORM) purquant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Name (Original Signature): 184 Leutre                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Title: NAT                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 20/0                                                                                                             | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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Mobil

Ever Reading Oil
W.F.S. /POI

32-7 CDP

PDS I-43

605816-00 PAGE 1 OF

#### MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

APPROVAL DATE: 01/01/95

PRODUCT NAME: MOBIL PEGASUS 485

SUPPLIER: MOBIL OIL CORP.

PRODUCTS AND TECHNOLOGY DEPT.

3225 GALLOWS RD. FAIRFAX, VA 22037

24 - Hour Emergency (call collect): 609-737-4411

Product and MSDS Information: 800-662-4525 703-849-3265

CHEMTREC: 800-424-1300 202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous. EFFECTS OF OVEREXPOSURE: No significant effects expected. EMERGENCY RESPONSE DATA: Dark Amber Líquid. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem. However, if greater than 1/2 liter(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

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### 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 232(450) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides.

Elemental oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

#### 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m3 is suggested for oil mist.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid COLOR: Dark Amber

ODOR: Mild

ODOR THRESHOLD: NA

pH: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 232(450) (ASTM D-92)

FLAMMABILITY: NA
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0 EVAPORATION RATE: NA

RELATIVE DENSITY, 15/4 C: 0.88 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: > 3.5 VISCOSITY AT 40 C, cSt: 124.0

VISCOSITY AT 100 C, eSt: 12.5

POUR POINT C(F): -26(-15)FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: EXEMPT IN U.S.

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

Mobil

MOBIL PEGASUS 485

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### 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides.

Elemental oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

### 11. TOXICOLOGICAL DATA

#### ---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/1). ---Based on testing of similar products and/or the components.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.

#### ---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

### --- REPRODUCTIVE TOXICOLOGY (SUMMARY) ---

Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

### ---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using the Mobil

Mobil

MOBIL PEGASUS 485

605816-00 PAGE 5 OF 7

Modified Ames Test.

--- SENSITIZATION (SUMMARY)---

Representative Mobil formulations have not caused skin sensitization in guinea pigs.

---OTHER TOXICOLOGY DATA---

Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

### 14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

## Mobil

MOBIL PEGASUS 485

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### 15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, and DSL.

EU Classification and Labeling: EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals reportable under SARA (313) toxic release program.

Code key: CARC = Carcinogen; SUS = Suspected Carcinogen



MOBIL PEGASUS 485

605816-00 PAGE 7 OF 7

16. OTHER INFORMATION

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

USE: NATURAL GAS ENGINE OIL

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

See container label for ingredient information.

For Mobil Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, REQ: US - MARKETING, SAFE USE: L

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

Prepared by: Mobil Oil Corporation

Environmental Health and Safety Department, Princeton, NJ



## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client: Sample ID: Ever Ready Oil Stockpile

Project #:
Date Reported:

007501

Lab ID#:

18042

Date Sampled:

08-30-00 08-25-00

Sample Matrix:

Soil

Date Received:

08-30-00

Preservative:

Cool

Date Analyzed:

08-30-00

Condition:

Cool and Intact

Chain of Custody:

7896

**Parameter** 

Result

IGNITABILITY:

**Negative** 

**CORROSIVITY:** 

Negative

pH = 7.28

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

R. ajenas

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

W.F.S. 32-7 CDP Pegasus 485 Upset.

Analyst

Review Misting Walters

| Client / Project Name         | oil            |                | Project Location | 2-7 COP              |                      |            |            |           | A   | NALYSIS | S / PAR/ | AMETERS       |             |                       |             |     |
|-------------------------------|----------------|----------------|------------------|----------------------|----------------------|------------|------------|-----------|-----|---------|----------|---------------|-------------|-----------------------|-------------|-----|
| Sampler:<br>Cirrilleo -       | tryill         | ٥              | Client No.       | 7501                 |                      | Containers | RCRA       |           |     |         |          |               | Re          | marks                 |             |     |
| Sample No./<br>Identification | Sample<br>Date | Sample<br>Time | Lab Number       | Sample<br>Matrix     | Ž                    | Cont       | X X        |           |     |         |          |               |             |                       |             |     |
| Stockpile                     | 8.25.00        | lo:304         | u 18042          | 50;                  |                      | l          | /          |           | -   |         |          | Pe            | gasu<br>Pše | ع ^ر و<br>ف | 95          |     |
|                               |                |                |                  |                      |                      |            |            |           |     |         |          |               |             |                       |             |     |
|                               |                |                |                  |                      |                      |            |            |           |     |         |          |               |             |                       |             |     |
|                               |                |                |                  |                      |                      |            |            |           |     |         |          |               |             |                       |             |     |
|                               |                |                |                  |                      |                      |            |            |           |     |         |          |               |             |                       |             |     |
|                               |                |                |                  |                      |                      |            |            |           |     |         |          |               |             |                       |             |     |
|                               | Bro            | <br>س          | >                | Date Time 8:3000 9:0 | 5 xx                 | u          | <u>~ 4</u> | (         | 2/1 | ودو     |          |               |             | ate<br>හ ංන           | Tir<br>9.14 | me  |
| Relinquished by: (Signati     |                |                |                  |                      | Réceive              | d by: (    | (Signatu   | re)<br>   |     |         |          |               |             |                       |             |     |
| Relinquished by: (Signate     | ure)           |                |                  |                      | Received             | d by:      |            | ire)      |     |         |          |               |             |                       |             |     |
|                               |                |                |                  | ENVIRO               | TEC                  | H          | IN         | <u>C.</u> | ·   |         |          | Sa            | mple Re     |                       |             |     |
|                               |                |                |                  |                      | .S. Highw            |            |            | P. Line   |     |         |          | Received I    | ntact       | Y                     | N           | N/A |
|                               |                |                |                  | Farmington,<br>(50   | New Me:<br>5) 632-06 |            | 8740       | 1         |     |         |          | Cool - Ice/Bl |             | 4                     | _           |     |

District 1 - (505) 393-6161 P.O. Box 1980 Hobia. NM 88241-1980 Die 1 - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 7 Rio Brazos Road c, NM 87410 مندے District IV - (505) 827-7131

APPROVED BY:

### New Mexico

### Energy wanerals and Natural Resources Department 2 6 2000 Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Environmental Bureau Submit Original Oil Conservation Division

51 DATE: 10/26/00

RECEIVED

Plus I Čopy to appropriate District Office

Form C-138

Originated 8/8/95

Env. JN: 92102-03

| بالكريمات والمارا فلأبحث والمتقل كالباجي والمستوان والمتمال والمتمال والمتمال والمتمال والمتمال والمتمال                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | المناوي والمسترين ونهوانيا والمانيسا والتناب المتاب                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                               |
| 1. RCRA Exempt: Non-Exempt: \( \sum_{\( \cup \) \\ \( \cup \) \\\ \( \cu | 4. Generator Robert Bobyces 5                                                             |
| Verbal Approval Received: Yes M No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site TiGee共3                                                               |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Burcuss                                                                    |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Maroico                                                                      |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SE4, Sac 34, T30N, R13W                                                                   |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                           |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommended accommendation; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommended and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                           |
| BRIEF DESCRIPTION OF MATERIAL:  Soil Continuous with situate and so of soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil and soil | oct 2000  erator at the end of the haul)  2 drumsy                                        |
| SIGNATURE: TITLE: Landfarm M  Waste Management FacilityAuthorized Agent  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DATE: 10.18.00  EPHONE NO. 505-632-0615                                                   |
| (This space for State Use)  APPROVED BY: Title: Golo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 915 DATE: 10/23/00                                                                        |

TITLE: Endivon

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Rio Brazos Road

District IY - (505) 827-7131

c, NM 87410ء۔۔

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Originated 8/8/95
Submit Original

Form C-138

ubmit Original
Plus I Copy
to appropriate
District Office

Env. JN: 7202-8

| 1. RCRA Exempt: Non-Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                | 4. Generator Robert Botyces 5                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                   | 5. Originating Site Tibee共3                                                                 |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                       | 6. Transporter Burcess                                                                      |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                | 8. State New Majorco                                                                        |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                      | SE4, See 34, T30N, 72 13W                                                                   |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                 |                                                                                             |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted and accept one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to<br>n of origin. No waste classified hazardous by |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |
| BRIEF DESCRIPTION OF MATERIAL:  Soil Contominated with oil water smulston for                                                                                                                                                                                                                                                                                                          | 2nd Star Commercia                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |
| Scoulder                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |
| MSDS Attack                                                                                                                                                                                                                                                                                                                                                                            | OCT 2000  RECEIVED  OILCON. DIV  DIST. 8                                                    |
| Estimated Volume cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                            | erator at the end-of-the haul) cy                                                           |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                         | DATE: 10.18.00  EPHONE NO. 505-632-0615                                                     |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |
| APPROVED BY: Dery Rout TITLE: Geolog                                                                                                                                                                                                                                                                                                                                                   | DATE: 10/23/00                                                                              |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                                    | DATE:                                                                                       |

10-17-00: 8:30AM; ENVIROTECH





### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

CONSERVATION DIVISION AZTES DISTRICT OFFICE DAGN BUSARB OIR PORT AZTEC, NEW MEXICO 87410 [394] 334-617# FRE [395]334-6170

GARY E. JOHNSON GOVERNOR

IENNIFER A SALISBURY CABINET SECRETARY

### CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address: R. L. BAYLGSS PO BOX 18.8 FARMING FON NM 87499                                                                                                                                   | 2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop.New Mexico 5796 US Hwy 64 Farmington NM 87401                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. Originating Site (name):  TIGER No. 3 GNS WELL  SELY SEC 34, T30H, R13 W  SAN JUAN Co., NM  Attach list of originating sites as appropriate  4. Source and Description of Waste  OIL-INATER EMUCSION IN DIRT | Location of the Waste (Street address &/or ULSTR):  EMULTION IS FROM SELOND STAGE                                                                                                                                           |
| COMPRESSOR SCRUBBER.                                                                                                                                                                                            | representative for:                                                                                                                                                                                                         |
| 1988, regulatory determination, the above described EXEMPT oilfield waste NON-EXE                                                                                                                               | do hereby certify that, ery Act (RCRA) and Environmental Protection Agency's July, I waste is: (Check appropriate classification)  MPT oilfield waste which is non-hazardous by characteristic or by product identification |
| For NON-EXEMPT waste the following documents  MSDS Information  RCRA Hezardous Waste Analysis  Chain of Custody                                                                                                 |                                                                                                                                                                                                                             |
| This waste is in compliance with Regulated Lavels of to 20 NMAC 3.1 subpart 1403.C and D.                                                                                                                       | Naturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                                    |
| Name (Original Signature): Ta M                                                                                                                                                                                 | for the                                                                                                                                                                                                                     |
| Date: 10/17/2000                                                                                                                                                                                                |                                                                                                                                                                                                                             |

Sent By: HANOVER COMPANY;

505 325 5328;

Oct.

JO 4:10PM;

Page 1





### Facsimile Cover Sheet

Hanover Compressor 1280 Troy King Road Farmington NM 87401 (505) 325-3220 (505) 325-2997 FAX

| To: Jan Mc Courty                       |
|-----------------------------------------|
| FROM: Debra Riddell Ext 112             |
| DATE: 10/17/00                          |
| FAX NUMBER: 326-6911                    |
| PAGES (INCLUDING COVER SHEET)           |
| MESSAGE MS DS Sheet for compressor oi). |
| Please call if you can't read.          |
| Whanks                                  |
| DEDRA                                   |
|                                         |

THANK YOU,

Sent By: HANOVER COMPANY: OCT-17-2000 15:44

505 325 5328; ö withl CHMMICR'au

Ort. JO 4:10PM: ' all 500 SZ( 4302 Page 2

http://emmsds.ilisps/.com/ngtacgi/n...Fnetahtml%21/nowscarch.html&r-1&1' (*)

602466-00 MOBIL PEGASUS 805 MATERIAL SAFETY DATA BULLITIN

# 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MONIL PEGASUS ROS SUPPLIER: MONIL OIL CORP.

NORTH AMERICA MARKETING AND REFINING

3225 CHLLOWS RD.

PATREAX: VA 22037

24 - Hour Emergancy (wall collect): 609-737-4411

Product and MSDS Intermation: 800-662-4525 603-224-4644 CHEMINEC:

...800-424-9300.

202-463 7616

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET, HYDROCARBONS AND ADDITIVES INCREDIENTS CONSIDERED HAZARDOUS TO HEALTH: This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the Ruropean Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients. See Section 15 for European Nabel Information. See Section 8 for exposure limits (if applicable).

### 3. HAZAROS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CVH 1910 1200 and determined not to be hazardoun. EFFECTS OF OVEREXPOSURE: No significant effects expected.
EMERGENCY RESPONSE DATA: Light Amber Liquid. DOT ERG No. NA

### 4. FIRST AID MEASURES

الما علا بعا في الله المن المن المن الله المناسلة الما المناسلة الما المناسلة المناسلة المناسلة المناسلة

EYE CONTACT: Flush thoroughly with water. It irritation occurs, call SKIN CONTACT: Wash contact hicks with soap and water. INHALATION: "NOT expected to be a problem. INCHSTION: Non expected to bays problem when ingested, It-

uncomfortable seek medical asalutance.

### 5 FIRE-FIGHTING MEASURES

FXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and Water Log-SPECIAL FIRE FIGHTING PROCEDURES: Water or toam may cause from hing. Use water to keep fire exposed containers cool. Water apray may be used to flush spills away from exposure. Provent runoting tire control or dilution from entering streams, sewerg, %

sent By: HANOVER COMPANY;

505 325 5328;

Oct 00 4:10PM;

Page 3/6

http://emmeds.ibspsl.com/nctacgi/n...FnetalumP%21/110108031101/html&7-1&1=G

drinking water supply

SPECIAL PROTECTIVE EQUIPMENT: For Tires in anchosed areas, fire

righters make use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): 34:(47:)

(ASTM 0-92). Flammable limits - LEL: NE; UEL: NE.

NEFA HAZARD ID: Health: 0, Flammability: 1, Readlivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Possibly

Hydrogarbon flammones. Sultur exides and compounds.

### 6 ACCIDENTAL RELEASE MEASURES

أدائم بمناشش فأكث مناهب بسياحة بلاعه يتاريخ والعرجة

NOTIFICATION PROCEDURES: Report spills as required to appropriate such originals. U. S. Coast Guard regulations require immediate reporting of spills that could leach any waterway including intermittent dry creeks. Report spill to Coast Guard Toll free number (800) 424-8802. In case of accident or food spill notify questioner (800) 424-8300.

PROCEDURES IF MATERIAL IS RELEASED UK SPILLED: Adsorp on fire retardant treated saudust, distances on section of the and disposal facility in accordance with current applicable has and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevant spills from entering storm sewers of drains and Contact with soil.

### 7. HANDLING AND STORAGE

HANDLING: No special procautions are necessary beyond hormal good hydiene practices. See Seculon 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelied containers. Store away from strong oxidizing agents or combustible material.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of who and with adequate ventilation.

KESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial dye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Shent for specific details.

APPEARANCE: Liquid COLOR: Light Amber ODOR: Marketshic ODOR: Marketshic ODOR THRESHOLD-ppm: NE

505 325 5328;

Oct. 00 4:11PM;

Page 4/6

http://emmsds.ihspsl.com/netacgi/n...FnetahimP%2Fnewscarch.html&rt.l&f>G

DH: NA. DOILING POINT C(F): NE MELTING POINT C (F) : NA. FLASH POINT C(F) = 245 (473) (ASTM D 92) FI,AMMARTLITY: NE AUTO FLAMMABILITY: NE EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA VAPOR PRESSURE-mmilg 20 C: & It? 0.1 VAPOR DENGITY: > 72.0 EVAPORATION RATE: NE RECATIVE DENSITY: 15/4 CE 0.89 SOLUBILITY IN NATER: Negligible PARTITION COEFFICIENT: NE VISCOSITY AT 100 C, EST: 130.0 "
VISCOSITY AT 100 C, EST: 13.5 POUR POINT C(F) : -12(10). FREEZING POINT CIF) : NE VOLATILE ORGANIC COMPOUND: NE. NA-NOT APPLICABLE NE-NOT ESTABLISHED D-DECOMPOSES

### 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Shable,
CONDITIONS TO AVOID: Extrame New:
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers,
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly
hydrocarbon (ragments, Sulfur oxides and compounds.
HAZARDOUS FOLYMERIZATION; Will not occur.

#### 11. TOXICOLOGICAL DATA

والمحاجز يعيركم المداعم كراحات بنترابية وأوافية أنك أنك أنك المداعد بالمراج

#### ---ACUTE TOXTCOLOGY---

GRAL TOXICITY (RATS): Practically non-loxic (LD50: greater than 2000 mg/kg). **-Based on testing of similar products and/or the components.

FOR FURTHER TECHNICAL INFORMATION: CONTACT YOUR MARKETING REPRESENTATIVE

DERMAL TOXICITY (RABBITS): Practically non-tuxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INMALATION TOXICITY (RATS): Not applicable - Harmful concentrations of mlats and/or vapors are unlikely to be encountered through any chargemary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABAITS): Practically non-invitating. (Ornize accre: greater than 5 but 15 or less). **-Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: Greater than 0.5 but less than 1). --- Hasad on testing of similar products and/or the components.

Severely solvent reflated and severely hydrotreated mineral base oils. Flave been teated at Mobil Environmental and Health Sciences Laboratory by dermal application to rate 5 days/wank for 90 days at doses significantly higher than these expected during mormal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

--- CHRONIC TOXICOLOGY (SUMMARY) ---

The base oils in this product are saverely solvest recipe ...

Sent By: HANOVER COMPANY; שורים שויאס

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Page 5/6

http://emmsds.ihspsl.com/nctaegi/n...l-netahtml%21/newsearch.html&r/1&1=6

severely hydrotreated chronic mouse skin painting studios of acverely trooted oils showed no evidence of carellinguist affects. 

#### 12 ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established,

### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAD: Product is suitable for burning in an enclosed, controlled burner for fuel value of disposel by supervised incineration. Such burning may be limited pursuant to the Resource Convervation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate sovernment wante disposal facilly. Was of these methods is subject to user compilance with applicable laws and regulations and consideration of product characteries or time of disposal RCRA INFORMATION: The unused product, in our opinion, is not sponstically listed by the EPA as a hezardous wasta (40 CFR. Part 2610), not is it formulated to contain materials which are listed hazardess wastes. It does not exhibit the hazardous characteristics of ignitability, corresistry, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Loaching Procedure (TCLP). However, used product may be regulated.

### 14 TRANSPORT INFORMATION

USA DOT: MOT REGULATED BY USA DOT: RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA:

### 15. REGULATORY INFORMATION

مارین ایران که ایران از ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ای مارین ایران که ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران ایران

Governmental Inventory Staries: All components comply with TSCA. EINECS/ELINCS, ATCS, and OSL.

EU Labeling:

Symbol: 'EU labeling not required..

Risk Phrasa(s): R.

Safary Phrase(s) Not applicable.

U.S. Superfund Amendments and Reauthorization Not (SARA) Ti-16 111:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARO CATEGORIES: None.

This product contains no chemicals reportable under

SARA (313) toxic release program. .....

The following product incredients are cired on the lists below: CHUMICAL NAME

CAS NUMBER 1.1ST CITATIONS

XYLENES (0.03%)

1330-20-7 22

XILENES (0.03%) 1330-20-7 2: ZINC (ELEMENTAL ANALYSIS) (6 It; 0.04%) 7440-66-6 PHOSPHORODITHOIC ACID, 0.0-DI 68649-42-3 2: C1-14-ALKYL ESTERS, ZINC SALTS (2:

1) 1200P) . (0.33%)

Sent By: HANOVER COMPANY; W.1-11-E000 -13:40

505 325 5328; יים איים ווינים ערוים ווינים איים וויים 
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0 4:12PM: ששל שבו שלשב

Page 6/6 ר-שם ,

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REGULATORY HIST'S SEARCHED ----

1-ACGIN ALL 6-1ARC 1 11-TSCA 4 16-CA P65 CARC 71M1A RTK
2-AGG(H-A1 7-1ARC 2A 12-TSCA 5A2 17 CA 865 REPRO 22-M1 793
1-ACGIH A2 8-1ARC 2D 13-T3CA 5e 18-CA RTK 23 MN RTK
4-NTP CARC 9-05HA CARC 14-TSCA 6 19-FL RTK 24-M1 RTK
5-NTP RUS 10 05HA 2 15-TSCA 126 20-IL RTK 25-FUA RTK

25 FUA RTR

26mR1 RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO/Reproductive

#### 16. OTHER INFORMATION برايد بيران بيران بالرباد بالربان في المراج بالربان بالربان بالربان بالربان بالربان بالربان بالربان

USE: ENGINE LOUBLEANT

NOTE: MOBIL PRODUCTS ARE BUT FURMULATED TO CONTAIN PCBS. 

Please call the Customer Response Center on 800-662-4575 for formulation discionare. 

For Incernal Use Only: MMC: 0* 0* NA 1* 1*, MPPEC: A, TRN: 602466-00, GLIS: 400795, CMCS97: 970936, REQ: US - MARKETING, SAFE USG: 1. EHS Approval Date: 100C71999

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District IV - (505) 827-7131

ريد, NM 87410

# New Mexico Energy Nunerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus 1 Copy to appropriate District Office

Env. JN: 92187

|                   | REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 1.                | RCRA Exempt: Non-Exempt: Usertal                                                                                                                                                                                                                                                                                                                                                                                           | 4. Generator Rosources                                                                    |
|                   | Verbal Approval Received: Yes ☑ No ☐ 9:75                                                                                                                                                                                                                                                                                                                                                                                  | 5. Originating Site Son Juan River                                                        |
| 2.                |                                                                                                                                                                                                                                                                                                                                                                                                                            | 6. Transporter Educeotech                                                                 |
| 3.                | Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                       | 8. State Now Hapico                                                                       |
| 7.                | Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                             | 99 CR. 6500<br>Kirtland, Du 87417                                                         |
| 9.                | Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                           |
|                   | <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommon PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by |
|                   | RIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                              | 2 tot transport.                                                                          |
|                   | pigging Studge<br>Norms Attached                                                                                                                                                                                                                                                                                                                                                                                           | OCT 2000  ST. ST. ST. ST. ST. ST. ST. ST. ST. ST.                                         |
| Est               | cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                                                  | erator at the end of the haul) ————————————————————————————————————                       |
| SIC               | GNATURE: Handfarm M Waste Management Facility Authorized Agent  TITLE: Landfarm M                                                                                                                                                                                                                                                                                                                                          | DATE: 10.10.00                                                                            |
| TY                | Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                            | EPHONE NO                                                                                 |
| $\Gamma_{\alpha}$ | This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |
| A                 | PPROVED BY: Derry Leur TITLE: Geolog                                                                                                                                                                                                                                                                                                                                                                                       | DATE: 10/11/00                                                                            |
| A                 | PPROVED BY: Way TITLE: Geol                                                                                                                                                                                                                                                                                                                                                                                                | 0915 DATE: 10-11-00                                                                       |



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONBERVATION DIVISION ACTED DISTRICT OFFICE 1000 RIO ORAZOS ROAD ACTEC, NEW MEXICO 07010 (305) 834-0170 PAY [505]324-6170

GARY E. JOHNSON

1. Generator Name and Address:

JENNIFER A. SALISBURY CABINET SECRETARY

### CERTIFICATE OF WASTE STATUS

2. Destination Name:

| cility<br>37401<br>STRJ: |
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| 17/01                    |
| STRJ:                    |
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is considered want T. Bostes

201 AIMED DANGER



1728 Wooddale Court - Baton Rouge, Louisiana 70806

1 (800) 401-4277 • Fax (504) 927-6822

ARS Tracking Number:

ARS-97-0924

P.O. Number:

215618

Client I.D.:

GO2354

ARS Sample I.D.:

ARS-97-3412

Date Sampled:

N/A

Date Received:

10/10/97

Time Sampled:

N/A

Time Received

0945

Type of Sample:

Solid

Date of Report

10/16/97

| Analysis<br>Description | Analysis<br>Result | Analysis  Ecror  ±20 | Detection<br>Limit | Analysis<br>Units | Analysis<br>Test Method | Analysis<br>Dato & Time | Analysis<br>Technician |
|-------------------------|--------------------|----------------------|--------------------|-------------------|-------------------------|-------------------------|------------------------|
| Ra-226                  | 0.82               | 0.27                 | 0.11               | pCi/g             | EPA 901.1M              | 10/13/97 1149           | SB                     |
| Ra-228                  | 0.03               | 0.02                 | 0.01               | pÇi/g             | EPA 901.1M              | 10/13/97 1149           | SB                     |
| Pb 210                  | 15.33              | 0.71                 | 0.17               | pCi/g             | EPA 901.1M              | 10/13/97 1149           | SB                     |
| Total Activity          | 16.86              | N/A                  | N/A                | p€i/g             | EPA 901.1M              | 10/13/97 1149           | SB                     |
| ·                       |                    |                      |                    |                   |                         |                         |                        |
|                         |                    | ·                    |                    |                   |                         |                         |                        |

Quality Assurance Review

Post-It" brand fax transmittal memo 7671 # of pages >

To Harlan Brown

Co.

Dept.

Phone # 598-5601-X35

Fax #

Notes: American Radiation Services, the assumes no liability for the use or interpretation of any analytical results provided other than the cost of the performed analysis itself. Reproduction of this report in less than full requires the written consent of the client.

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J. - نسل مساء 1 MD JR 153  $\Omega$ Fig. C) Fig. 64 (Fig. C) Fig. C) Fig. 65 (Fig. C) Fig. 65 111  $iq \cdot \Omega$ T 野 100  $\odot$ HARPHANA CONTROLO CONTRACTOR AND COMPACE CONTRACTOR HARPING TO A CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND CONTRACTOR AND C  $\Omega$  $\cap$   $\cap$   $\circ$   $\circ$   $\circ$   $\circ$   $\circ$ .Ui - (べつアイダングスのうじょうかん 生土にいりかん はっかい ありまりょう はっしょう OBOHOBBANO  $\bigcirc$ Cha to compare the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the 1-4- 100 功 台 网络 医板 nuum sition of the general section of the gen  $\bigcirc$ 58 CO 10 50  $\bigcirc$   $\vdash$ 150 ဖြစ်ဆစ်စ်စ်ခ 1.1  $\bigcirc$ ue au au au ್ರಾಡಿಗಾಗು ಬಲಲವಾಗಿ ಬಿಡಿಗಳ ಗೆಡಿದಿ ಬರುಗಾಗಿ ಬರುಗಳ ಬರುಗಳ ಕ್ರಾಡಿಗಳ ಕ್ರಡಿಗಳ ಕ್ರಾಡಿಗಳ ಕ್ರಡಿಗಳ  $\bigcirc$ 55 to to  $\Box$ -CCing. 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VMS Peak Search Report (continued) = Sample ID: W03479

Page: 2 Acquisition date: 9/05/2000 9:11

|     | Pk                   | ſţ  | Energy  | Area | Bkgnd | FWHM | Channel | Left | RW  | Cts/Sec %Err | Fit  |
|-----|----------------------|-----|---------|------|-------|------|---------|------|-----|--------------|------|
| M   | 41.                  | 32  | 1044.72 | 11   | 317   | 1.91 | 3964.95 | 3959 | 44  | 0.0 95.30    | 1.23 |
|     | 421                  | 32  | 1051.53 | 109  | 300   | 1.92 | 3990.77 | 3959 | 44  | 0.0 14.32    |      |
|     | 43                   | Û   | 1069.43 | 91   | 224   | 1.19 | 4058.65 | 4052 | 14  | 0.0 31.80    |      |
|     | 44                   | 0   | 1119.74 | 4816 | 567   | 1.83 | 4249.42 | 4234 | 34  | 0.3 1.92     |      |
|     | 45                   | 0   | 1133.61 | 115  | 266   | 0.64 | 4302.03 | 4295 | 19  | 0.0 30.41    |      |
|     | 46                   | 0   | 1154.69 | 569  | 408   | 1.16 | 4381.96 | 4370 | 24  | 0.0 8.98     |      |
|     | 47                   | 0   | 1207.12 | 100  | 307   | 1.28 | 4580.81 | 4572 | 20  | 0.0 37.68    |      |
|     | 48                   | 0   | 1237.49 | 1729 | 411   | 1.77 | 4695.96 | 4682 | 28  | 0.1 3.68     |      |
|     | 49                   | 0   | 1252.82 | 106  | 234   | 1.07 | 4754.11 | 4747 | 19  | 0.0 31.13    |      |
|     | 50                   | 0   | 1280.37 | 473  | 341   | 1.80 | 4858.58 | 4844 | 31  | 0.0 10.73    |      |
| M   |                      | 3   | 1376.96 | 1392 | 303   | 2.04 | 5224.87 | 5211 | 54  | 0.1 2.95     | 0.75 |
|     | 52                   | 3   | 1384.50 | 232  | 271   | 2.04 | 5253.45 | 5211 | 5.4 | 0.0 8.76     |      |
|     | 53                   | 4   | 1400.82 | 332  | 258   | 1.91 | 5315.34 | 5306 | 49  | 0.0 6.99     | 0.6  |
| en. |                      | 4   | 1407.26 | 691  | 265   | 1.92 | 5339.77 | 5306 | 49  | 0.0 4.39     |      |
|     | 55                   | 0   | 1460.04 | 510  | 266   | 1.53 | 5539.91 | 5500 | 27  | 0.0 8.71     |      |
|     | 56                   | 0   | 1508.48 | 534  | 420   | 2.03 | 5723.60 | 5707 | 28  | 0.0 - 10.11  |      |
|     | 57                   | 12  | 1537.94 | 61   | 310   | 1.76 | 5835.34 | 5825 | 41  | 0.0 26.65    | 1.0. |
|     | 58                   | 12. | 1542.71 | 140  | 268   | 1.76 | 5853.41 | 5825 | 41  | 0.0 - 13.64  |      |
|     | 59                   | 0   | 1582.36 | 231  | 261   | 1.90 | 6003.77 | 9993 | 29  | 0.0 18.13    |      |
|     | 60                   | 0   | 1598.13 | 16   | 187   | 0.67 | 6063.59 | 6057 | 17  | 0.0 169.19   |      |
|     | 61                   | G   | 1660.54 | 267  | 120   | 1.99 | 6300.23 | 6289 | 24  | 0.0 11.03    |      |
|     | 62                   | Ü   | 1728.89 | 931  | 150   | 2.13 | 6559.44 | 6545 | 29  | 0.1 4.56     |      |
|     | 63                   | 0   | 1763.76 | 4045 | 138   | 2.13 | 6691.68 | 6678 | 33  | 0.3 1.74     |      |
| M   |                      | 4   | 1837.83 | (59) | 50    | 2.24 | 6972.56 | 6964 | 5.7 | 0.0 - 15.16  | 0.3  |
| lń  |                      | 4   | 1846.75 | 625  | 31    | 2.24 | 7006.40 | 6964 | 57  | 0.0 - 4.24   |      |
|     | $\mathcal{E}_{i}(t)$ | 0   | 1872.47 | 4 3  | 88    | 1.03 | 7103.91 | 7090 | 2.4 | 0.0 51.11    |      |
|     | 67                   | 0   | 1016.52 | 37   | 40    | 0.51 | 7650.17 | 7642 | 17  | მ.მ 36.86    |      |
|     | 68                   | 0   | 2118.22 | 296  | 10    | 1.52 | 8035.87 | 8024 | 27  | 0.0 6.71     |      |

M = First peak in a multiplet region or fitted singlet m = Other peak in a multiplet region

Errors quoted at 1.000 sigma

**** NUCLIDE IDENTIFICATION REPORT 

Sample Title: 500ml marinelli

Muclide Library Used: C:\GENIE2K\CAMFILES\STDLTE.NLE

### IDENTIFIED NUCLIDES

|                                 |                  |                                                                                                  | MILLELDD NO                                                                                      | TELEGO                                                                                                                                                                                       |                                                                                                                                              | • |
|---------------------------------|------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                 | Id<br>Confidence |                                                                                                  |                                                                                                  | Activity<br>(pCi/g )                                                                                                                                                                         | Activity<br>Uncertainty                                                                                                                      |   |
| 88-7<br>E-40<br>I-126<br>PB-212 | 0.917            | 477.59*<br>1460.81*<br>388.63*                                                                   | 10.42<br>10.67<br>29.10                                                                          | 4.72475E-001<br>4.20071E+000<br>5.24106E-001                                                                                                                                                 | 1.03885E-001<br>3.80690E-001<br>7.91815E-002                                                                                                 |   |
| F10-212                         |                  | 74.81*<br>77.11*<br>87.20*<br>89.80*<br>115.19                                                   | 9.60<br>17.50<br>6.30<br>1.75<br>0.60                                                            | 1.19618E+001<br>1.15687E+001<br>1.10743E+001<br>1.50815E+001                                                                                                                                 | 9.88224E-001<br>,7.90751E-001<br>4.63206E-001<br>8.86538E-001                                                                                |   |
|                                 |                  | 238.63*<br>300.09                                                                                | 44.60<br>3.41                                                                                    | 1.51873E-001                                                                                                                                                                                 | 1.91394E-002                                                                                                                                 |   |
| BI-214                          |                  | 609.31*<br>768.36**<br>906.17*<br>934.06*                                                        | 46.30<br>5.04<br>1.23<br>3.21                                                                    | 2.06685E+001<br>2.13734E+001<br>1.97612E+001<br>2.08495E+001                                                                                                                                 | 4.67125E-001<br>8.80107E-001<br>2.25174E+000<br>1.17223E+000                                                                                 |   |
|                                 |                  | 1120.29*<br>1155.19*<br>1238.11*<br>1280.96*                                                     | 15.10<br>1.69<br>5.94<br>1.47                                                                    | 2.25987E+001<br>2.44860E+001<br>2.24322E+001<br>2.55028E+001                                                                                                                                 | 6.18593E-001<br>2.25201E+000<br>9.54437E-001<br>2.79273E+000                                                                                 |   |
|                                 |                  | 1377.67*<br>1385.31*<br>1401.50*<br>1407.96*<br>1509.19*                                         | 4.11<br>0.70<br>1.33<br>2.48<br>2.19                                                             | 2.84579E+001<br>2.50620E+001<br>2.03490E+001<br>2.38231E+001                                                                                                                                 | 1.05825E+000<br>2.26948E+000<br>1.49681E+000<br>1.17901E+000<br>2.27767E+000                                                                 |   |
| PB-214                          | •                | 1661.23* 1729.60* 1764.49* 1847.44* 2118.54* 74.81* 77.11* 87.20* 89.80* 241.98* 295.21* 351.92* | 1.15<br>3.05<br>15.80<br>2.12<br>1.21<br>6.33<br>10.70<br>3.70<br>1.03<br>7.49<br>19.20<br>37.20 | 2.24123E+001<br>3.02555E+001<br>2.56897E+001<br>3.04056E+001<br>2.68687E+001<br>1.81414E+001<br>1.89210E+001<br>1.88566E+001<br>2.56243E+001<br>2.39082E+001<br>2.33958E+001<br>2.36390E+001 | 2.52434E+000<br>1.56732E+000<br>8.03653E-001<br>1.60826E+000<br>2.59808E+000<br>1.49875E+000<br>1.29330E+000<br>7.88716E-001<br>1.50628E+000 |   |
| RA - 226<br>AC - 228            | 0.998<br>0.523   | 785.91* 186.21* 338.32* 911.60* 969.11                                                           | 1.10<br>-3.28<br>11.40<br>27.70<br>16.60                                                         | 2.26111E+001<br>3.55723E+001<br>4.61233E-001<br>2.49125E-001                                                                                                                                 | 2.24417E+000<br>1.37359E+000<br>8.93235E-002<br>3.99893E-002                                                                                 |   |
| TH-231                          | 0.999            | 26.64<br>84.21*                                                                                  | 18.70                                                                                            | 8.67770E-001                                                                                                                                                                                 | 1.67588E-001                                                                                                                                 |   |

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| Activity<br>Uncertainty | 1.24115E+000<br>1.03429E+000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                              | 9.039478-002                 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------|------------------------------|
| Activity<br>(pCi/g )    | 2.11141E+001<br>1.75951E+001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                                              | 2.16065E+000                 |
| Yield (%)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 00.<br>00.      | 4 0 4<br>                                    | ₽<br>4 1 4<br>0 0 €<br>0 0 € |
| Energy<br>(kev)         | # #0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 93.35<br>105.00 | 1400<br>1400<br>1400<br>1400<br>1400<br>1400 | 185.71**                     |
| Id<br>Confidence        | 0.9999<br>0.456                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |                                              |                              |
| Nuclide<br>Name         | 11.000 to 00.000 |                 |                                              |                              |

* = Energy line found in the spectrum. 8 = Energy line not used for Weighted Mean Autivity Energy Tolerance : 0.500 FWHM Nuclide confidence index threshold = 0.30 Errors quoted at 1.000 sigma

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***** INTERFERENCE CORRECT BURENCES CORRECT BURE FOR T **水水水水水水水水水水水水水水水水水水水水水水水水水**水水

| Wt mean<br>Activity<br>Uncertainty           | 1.038849E-001 3.806900E-001 7.918150E-002 2.505616E-001 1.762949E+001 6.339713E-001 1.675835E-002                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <pre>%t mean<br/>Activity<br/>(pci/g )</pre> | 4.724754E-001<br>4.200710E+000<br>1.460217E-001<br>2.293122E+001<br>1.108405E+001<br>3.559605E-001<br>3.559605E-001<br>1.487410E+001 |
| Nuclide<br>Id<br>Confldence                  | 00000000000000000000000000000000000000                                                                                               |
| Nuclide<br>Name                              | 88 M D B B B B B B B B B B B B B B B B B B                                                                                           |

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is part of an undetermined solution rejected by the interference analysis contains energy lines not used in Weighted Mean Activity nuclide nuclide nuclide C- 34 E)

1.000 sigma cû 177 quoted Arrors

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#### UNIDENTIFIED PEAKS

Peak Locate Performed on: 9/05/00 1:12:01 PM Peak Locate From Channel:

Peak Locate To Channel: 8192

| Peak<br>No. | Energy<br>(keV)    | Peak Size in<br>Counts per Second ( | Peak CPS<br>Uncertainty |
|-------------|--------------------|-------------------------------------|-------------------------|
| ~ N O G     | 22.92              | 4.9051E-002                         | 12.04                   |
| 2           | 32.72              | -7.6389E-003                        |                         |
| 3           | 46.80              | 1.7465E-002                         | 41.98                   |
| 9           | 112.48             |                                     | 263.21                  |
| 11          | 209.15             | 1.78248-002                         |                         |
| 14          | 258.99             | 4.97228-002                         | 16.63                   |
|             | 274.64             | 2.8507E-002                         | 21.43                   |
|             | 333.30             | 1.3146E-002                         | 19.75                   |
|             | 039.84             | 1.5400E-002                         | 13.35                   |
|             | 454.82             | 1.81488-002                         | 29.00                   |
|             | 480.46             | 1.47256-002                         | 12.87                   |
|             | 487.16             | 1.9057E-002                         | 10.44                   |
|             | 510.94             | 4.2234E-002                         | 14.91                   |
|             | 533.64             | 6.0069E-003                         | 45.48                   |
|             | 579.89             | 5.6944E-003                         | 67.44                   |
|             | 665.19             | 4.47455-002                         | 8.93                    |
| 31          | 702.91             | 1.3611E-002                         | 25.25                   |
| 5 <u>0</u>  | 719.55             | 9.28245-003                         | 35.166                  |
| 33          | 752.76             | 3.88898-003                         | 56.76                   |
|             | 838.69             | 2.26048-002                         | 16.33                   |
|             | 903.98             | 1.2222E-002                         | 31.62                   |
|             | 1044.72            | 7.9380E-004                         | . 95.30                 |
|             | 1051.53            | 7.55898-003                         | 14.32                   |
| 4.3         | 1069.43            | 6.31946-003                         | 31.80                   |
| 45          | 1133.61            | 7.9881E-003                         | 30.41                   |
| 4.7         | 1207.12            | 6.96768-003                         | 37.68<br>31.13          |
| 49          | 1252.82            | 7.3330E-003                         |                         |
| M 57        | 1537.94<br>1542.71 | 4.2405E-003                         | 26.65<br>13.64          |
| m 59<br>59  | 1542.71            | 9,7246E-003<br>1.6042E-002          | 18.13                   |
| 50<br>50    | 1598.13            | 1.00428-002                         | 169.19                  |
| 00<br>M 64  | 1837.83            | 4.77726-003                         | 15.16                   |
| m 04<br>66  | 1872.47            | 2.98615-003                         | 51.11                   |
|             | 2016.52            | 2.5926E-003                         | 36.86                   |
| (J )        | 2019.02            | 2.022.05.7000                       | 152 - 1252              |

M = First peak in a multiplet region

m = Other peak in a multiplet region

F = Fitted singlet

Errors quoted at 1.000 sigma

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DETO1 500ml Marinelli 500ml marinelli C:\GEMIE2K\CAMFILES\STDLIB.NL3 Detector Name: Sample Geometry: Sample Title: Nuclide Library U

Used:

| 25 99.98 9.27218-002 9.27218-002 9.29999 9.27218-002 9.29999 9.27218-002 9.299999 9.27218-002 9.27218-002 9.2999999999999999999999999999999999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nuclide<br>Name<br>K-40 | erqy<br>eV)<br>60.8                                         | 0 %e                | Line MDA<br>pci/g )<br>.2136E-00        | cilde M<br>Ci/g<br>.21E-00  | Activity<br>pci/g<br>.2007E+0           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------|---------------------|-----------------------------------------|-----------------------------|-----------------------------------------|
| 122.05 85.51 7.3539E-002 7.35E-002 -1.0899E-003 33.25.42 100.60 8.595E-003 34.4E-003 3.44E-003 3.44E-003 3.44E-003 3.44E-003 3.44E-003 3.44E-003 3.44E-003 3.450E-003                                                                                                                                                                 |                         | 20.55<br>20.55<br>50.64                                     |                     | .2721E-00<br>.2721E-00                  | 9.276-002                   | 0.47916-0<br>0.47918-0<br>0.78058+0     |
| 1173.22 100.00 8.5362E-002 3.44E-002 1.32449 100.00 8.4562E-002 1.32449 100.00 8.4562E-002 1.32449 100.00 8.4562E-002 1.32449 100.00 8.4562E-002 1.32449 100.00 8.4562E-001 1.656.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.366.00 1.                                                                                                                                                                 |                         | 0.00<br>0.40<br>0.40                                        | 00.0<br>00.0        | .3539E-00                               | .35E-00                     | 1.08998-00<br>1.02518-00                |
| 96.73 3.41 2.30128+000 1.115-001 -1.59168+000 1.98.60 1.4558-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1.0028-001 1                                                                                                                                                                 |                         | (A) (A)                                                     | 0000                | .5362E-00                               | .44E-00                     |                                         |
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| 259.59 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 279.53 27                                                                                                                                                                 |                         | 100 0<br>100 0<br>100 0                                     | (V) ₹               | 1089E-00                                |                             |                                         |
| 279.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         | 0 10<br>10<br>10<br>10                                      | າ ເວ<br>- ເວ        | .1555E-00                               |                             | 0.00.00.00.00.00.00.00.00.00.00.00.00.0 |
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| 940. 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | 5.<br>5.<br>0.<br>0.                                        | د است.<br>. زین     | .0724E+00                               |                             | 14818+0                                 |
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| 898.02 93.40 9.91712-002 6.902-002 6.42752-00 1836.01 99.38 6.8984E-002 1.105:03 -4.9756E-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         | 077.0                                                       | vo<br>or            | .5449E+00                               | .54E+00                     | 3.8489E-00                              |
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| 255.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ci.                     | 27 C<br>27 C<br>27 C                                        |                     | .00%/M+00.                              | . HORFOO.                   | S. GZZZEŁO                              |
| 391.69 64.90 1.1892E-001 8.45E-002 2.2337E-0 66.22 8.38 7.7739E-001 8.45E-002 9.4238E-0 604.70 8.45E-0 604.70 8.45E-0 604.70 8.45E-0 604.70 8.45E-0 604.70 8.73 4.2513E-001 8.45E-0 604.70 8.73 64.5E-0 604.70 8.73 64.5E-0 601 8.73 64.76E-0 601 8.73 64.76E-0 601 8.73 64.76E-0 601 8.73 64.76E-0 601 8.73 65.40 8.060E+0 601 8.73 65.40 8.060E+0 601 8.73 65.40 8.060E+0 601 8.75E-0 601 8.75 65.20 6.30 8.0131E+0 60 8.75E-0 6.30 8.0131E+0 60 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30 8.75E-0 6.30                                                                                                                                                                 | 1 (C)                   | ) (14<br>( ) (16<br>( ) (17<br>( ) (17)                     | · O                 | 000000000000000000000000000000000000000 | 00-165-<br>- 165-<br>- 165- |                                         |
| 475.35 1.46 4.7302E+000 8.45E-002 9.4438E-0 563.23 8.38 7.7739E-001 569.32 15.43 4.2513E-001 569.32 15.43 4.2513E-001 564.70 8.485E-001 564.70 8.73 9.6557E-001 578E-0 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-001 578E-00                                                                                                                                                                 |                         | (영)<br>(영)                                                  | : ব<br>: ্<br>! ্   | 18888-00<br>18888-00                    |                             |                                         |
| 569.32 3.38 7.7739E-001 569.32 15.43 4.2513E-001 604.70 97.60 2.4969E-001 795.84 85.40 3.4438E-002 8.73 9.6557E-001 1038.57 1.00 8.0605E+000 1167.94 1.80 4.6742E+000 1167.94 1.80 4.6742E+000 1167.94 1.80 4.6742E+000 1167.94 1.80 4.6742E+000 1167.94 1.80 2.8126E+000 1167.94 1.80 4.6742E+000 1165.25 4.3078E+0 1163.22 7.46 1.7642E+000 1163.89 4.61 2.3059E+000 176.55 12.66 1.0567E+000 273.65 12.66 1.0567E+000 34.61 2.3059E+000 176.55 12.66 1.0567E+000 176.56 12.66 1.0567E+000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5::71                   | (D)                                                         | रुष्य ।<br>रुप्तं । | 73025+00                                | .45E-00                     | 9.4438E-0                               |
| 969.32 15.43 4.2513E-001 5.4368.02 5.4320E-0 5.4573E-001 795.34 85.40 8.4435E-001 -1.3174E-0 795.34 85.40 8.4435E-001 795.34 86.73 9.655E-001 795.35 73 9.655E-001 795.57 1.00 8.0606E+000 7.55E-0 7.50 8.0606E+000 7.55E-001 7.5540E+0 75.05.15 3.04 2.8126E+000 7.55E-001 7.5540E+0 75.22 7.46 7.762E+000 7.55E-001 7.555E+0 7.46 7.762E+000 7.55E-001 7.555E+0 7.46 7.762E+000 7.55E+000 7.55E+000 7.555E+000 7.555E                                                                                                                                                                 |                         | 9.<br>19.                                                   | 20 I                | 00-3657                                 |                             |                                         |
| 795.84 85.40 8.73 9.6557E-001 3.6463E+0 1.00 8.73 9.6557E-001 3.6463E+0 4.3078E+0 1167.94 1.80 4.3078E+0 1167.94 1.80 4.3078E+0 1165.15 3.04 2.8126E+000 1.55E+001 -1.5540E+0 86.91 12.50 3.0131E+000 1.55E+001 -1.8721E+0 86.29 4.61 2.3059E+000 -8.4631E+0 176.55 12.66 1.0026E+000 -8.4699E+0 3.4699E+0 -1.0587E+000 -8.4699E+0 -1.0587E+000 -8.4699E+0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         | 0 0<br>0 0<br>0 0                                           | ar V.<br>John       | . ZV13E-00<br>. 4969E-00                |                             | 3.4320E-0                               |
| 801.93 8.73 9.6557E-001 3.6463E+0 4.3078E+0 1038.57 1.00 8.0606E+000 4.3078E+0 4.3078E+0 1167.94 1.80 4.6742E+000 -1.55E+000 -4.7620E+0 -4.7620E+0 6.91 12.50 3.5917E+000 1.55E+001 -1.8721E+0 3.1286E+0 3.5917E+000 1.55E+001 -1.8721E+0 163.89 4.61 2.3059E+000 -4.2431E-0 -4.2431E-0 176.55 13.56 1.0026E+000 -8.4987E+0 3.46595E+0 3.4                                                                                                                                                                 |                         | 00 :<br>10 :                                                | ' সা<br>' ড)        | .4488E-00                               |                             | S. 4570E-0                              |
| 1038.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | ○                                                           | (T-                 | .65578-00                               |                             | 3.64635+0                               |
| 1167.94 1.80 4.6742E+000 1.55E+00 -1.5540E+0 66.91 12.50 3.04 2.8126E+000 1.55E+001 -1.8721E+0 66.91 12.50 3.0131E+000 1.55E+001 -1.8721E+0 3.1286E+0 6.30 3.5917E+000 1.55E+001 -1.8721E+0 6.30 3.5917E+000 1.7642E+000 -4.2431E+0 6.30 4.61 2.3059E+000 -1.0345E+0 6.30 4.61 2.3059E+000 -8.4831E+0 6.30 4.61 2.3059E+0 6.30 4.61 2.3059E+000 -8.4831E+0 6.30 4.61 2.3059E+000 -8.4831E+0 6.30 4.61 2.3059E+000 -8.4831E+0 6.30 4.61 2.3059E+000 -8.4831E+0 6.30 4.61 2.3059E+000 -8.4831E+000 -8.                                                                                                                                                                 |                         | 038.5                                                       | ୍                   | .06062+00                               |                             | 4.30788+0                               |
| 1365.15 3.04 2.8126E+000 1.55E-001 -4.7620E-0 66.91 12.50 3.0131E+000 1.55E-001 -1.8721E+0 86.29 6.30 3.5917E+000 1.55E-001 -1.8721E+0 153.22 7.46 1.7642E+000 -4.2431E-0 163.89 4.61 2.3059E+000 -1.0345E+0 176.55 13.56 1.0026E+000 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.4699E+0 3.469E+0                                                                                                                                                                 |                         | 167.9                                                       | :OO                 | .6742E+00                               |                             | I.5540E+0                               |
| 66.91 12.50 3.0131E+000 1.55E-001 -1.8721E+0 86.29 6.30 3.5917E+000 1.55E-001 -1.8721E+0 3.1286E+0 153.22 7.46 1.7642E+000 -4.2431E-0 163.89 4.61 2.3059E+000 -1.0345E+0 176.55 12.66 1.0026E+000 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.4695E+0 3.                                                                                                                                                                 |                         | 365.1                                                       | ्                   | .8126E+00                               |                             | 4.76205-0                               |
| 86.29 6.30 3.5917E+000 5.3.1286E+0 6.30 5.1286E+0 6.3.22 7.46 1.7642E+000 -4.2431E-0 63.89 4.61 2.3059E+000 -1.0345E+0 76.55 13.56 1.0026E+000 73.65 12.66 1.0537E+000 3.4699E+0 48.48.50 73.65 12.66 1.0537E+000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ίO.                     | 66.99                                                       | S.                  | .0131E+00                               | .55E-00                     | 1.87215+0                               |
| 53.22 7.46 1.76428+000<br>63.89 4.61 2.30598+000<br>76.55 13.56 1.00268+000<br>73.65 12.66 1.05378+000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ,                       | 60<br>60<br>64                                              | <u>ന</u>            | .5917E+00                               |                             | 3.1286E40                               |
| 63.89 4.61 2.8059E+000<br>76.55 13.56 1.0026E+000<br>73.65 12.66 1.0537E+000<br>40.57 48.50 2.8401E+003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | (1)<br>(1)<br>(1)                                           | না                  | .7642E+00                               |                             | 4.24318-0                               |
| 76.55 13.56 1.0026E+000 -8.498/E-0<br>73.65 12.66 1.0537E+000 3.4699E+0<br>40.57 48.50 2.8421E-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         | (O)                                                         | জু<br>কা            | .8059E+00                               |                             | 1.0345E+0                               |
| 75.65 17.65 1.058/EF000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | 10 1<br>10 1<br>10 1                                        | ന.<br>നേ            | .0026E+00                               | -                           | の - M - M - M - M - M - M - M - M - M - |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         | 0<br>7<br>7<br>8                                            | ମର<br>ପର            | 00437,000.                              |                             | ○土川ののので、つくではないのが、こうではいるが、こうできます。        |

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| Activity<br>(pci/g )    | .3359E-00<br>.3737E+00<br>.3304E-00              | .0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000<br>.0000 | .0000E+0.2<br>.40.73E+0.2<br>.9897E-00<br>.486E+00                                    | 2.7405E+00<br>1.9169E-00<br>1.1696E-00<br>7.7283E-00<br>2.0569E+00 | 00000000000000000000000000000000000000                                              | 2.22.22.22.22.22.22.22.22.22.22.22.22.2 | .33968+00<br>.353968+00<br>.26398+00<br>.491238-00<br>.49128-00 |
|-------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------|
| Nuclide MDA<br>(pci/g ) | 1.55g+001<br>8.77E+002<br>1.00E+0026             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.32E-001<br>8.73E-002<br>2.48E-001                                                   | 1.038-001                                                          | •                                                                                   | 3.01E-001                               | 2.26E-001                                                       |
| Line MDA<br>(pci/g )    | .5509E-00<br>.1381E-00<br>.5032E+00<br>.7684E-00 | .0000E+02<br>.0000E+02<br>.0000E+02<br>.0000E+02<br>.0000E+02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | .0000E+02<br>.4682E-02<br>.3243E-00<br>.7315E-00                                      | .8333E+00<br>.4764E-00<br>.2094E-00<br>.0326E-00                   | . 56938400<br>. 23458400<br>. 47288400<br>. 6728488400<br>. 42808400<br>. 673808400 | 2.21.20.4                               | .6444E-00<br>.0105E-00<br>.0444E+00<br>.1271E-00<br>.2620E-00   |
| ₽<br>(%)<br>(%)         | C. 00 C - 1 21                                   | . n. gr. o - o e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 400000000<br>4000000000000000000000000000                                             | લિલમાં છે.                                                         | cod-boatto.                                                                         | 3040504400044<br>44408440004004         |                                                                 |
| Energy<br>(kev)         | - 5 C C C C C C C C C C C C C C C C C C          | M 4 4 2 0 0 0 4   M 4 4 2 0 0 0 4   M 6 1 0 0 4   M 6 1 0 0 1 0 1   M 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | $\begin{array}{c} A & C & O & C & C \\ O & C & C & C \\ O & C & C & C \\ \end{array}$ | 0 $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$                              | % & & & & & & & & & & & & & & & & & & &                                             |                                         | inanona<br>nanona                                               |
| Nuclide<br>Name         | © CS CS - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -    | 1<br>(                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | © 50<br>0 56<br>1 44<br>1 44<br>2 50<br>2 00<br>2 00                                  | HG-203<br>BI-214                                                   |                                                                                     | 명<br>전<br>단<br>-<br>대<br>다              | AC-226                                                          |

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- |--

Nuclide MDA Report

9/05/00 1:12:03 PM

| Nuclide<br>Name | Energy<br>(keV)                                | Yield<br>(%)                    | hine MDA (pCi/g )                                        | Nuclide MDA<br>(pCi/g ) | Activity<br>(pCi/g )                                        |
|-----------------|------------------------------------------------|---------------------------------|----------------------------------------------------------|-------------------------|-------------------------------------------------------------|
| PA-234          | 94.67<br>98.44<br>111.00                       | 15.80<br>25.10<br>3.55<br>20.00 | 5.1405E-001<br>2.7978E-001<br>7.4510E-001<br>2.9909E-001 | 2.80E-001               | 2.42415-001<br>-4.53235-001<br>-6.76095-001,                |
|                 | 151.20<br>152.70<br>226.87<br>569.26<br>733.00 | 7.20<br>6.50<br>10.40<br>8.50   | 8.8500E-001<br>9.7329E-001<br>6.0029E-001<br>8.0026E-001 |                         | 7.9846E-001<br>7.9846E-001<br>4.8969E-001<br>-6.3676E-001   |
| PA-234M         | 883.24<br>946.00<br>949.00                     | 12.00<br>20.00<br>7.80          | 5.7298E-001<br>3.9040E-001<br>1.0074E+000                | 1.36E+001               | -4.4356E-001<br>-1.8752E-001<br>3.7564E-001<br>4.7606E+000  |
| TH-234          | 63.29<br>92.38<br>92.80<br>112.81              | 4.50<br>2.60<br>2.60            | 7.0562E+000<br>5.3204E+000<br>5.0716E+000                | 5.07E+000               | -4.0761E+000<br>-1.0701E+000<br>-8.2080E-001<br>4.1349E+001 |

^{+ =} Nuclide identified during the nuclide identification

^{# =} Energy line found in the spectrum
> = MDA value not calculated
& = Half-life too short to be able to perform the decay correction

District I - 4505) 393-6161 P. O. Box 1980 Hobbs. NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

__:c, NM 87410

### New Mexico Energy ..... ierals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopv to appropriate District Office

Env. JN: 92142

|    | REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                              |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. | RCRA Exempt: Non-Exempt: 10:40:50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4. Generator PESCO.                                                                      |
|    | Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Hair Your                                                            |
| 2. | Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Transporter Esuciro tech                                                              |
| 3. | Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8. State Daw Mayorico                                                                    |
| 7. | Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5680 US. HWY 64<br>FARMINGTON, DEL 87401                                                 |
| 9. | Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accepted of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t | ompanied by a certification of waste from the ompanied by necessary chemical analysis to |
|    | listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | for transport.                                                                           |
|    | Storage touks, separators, daly directors equipment (1) Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OCT 2000<br>ST. S. S. S. S. S. S. S. S. S. S. S. S. S.                                   |
|    | GNATURE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | anager DATE: (○·(○·○○ EPHONE NO. 505-632-0615                                            |
| A  | PPROVED BY: And TITLE: Geolo  PPROVED BY: Handle TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 915   DATE: 10/11/00                                                                     |

Dount Forst verbol (0.10.00 9:15

Jn: 92142

### **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                       | 2. Destination Name:                                                |
|----------------------------------------------------------------------|---------------------------------------------------------------------|
| PESCO PESCO                                                          |                                                                     |
| 5680 Highway 64                                                      | Envirotech Soil Remediation Facility                                |
| Farmington, New Mexico 87401                                         | Landfarm #2                                                         |
|                                                                      | Hilltop, New Mexico                                                 |
| 3. Originating Site (name):                                          | Location of the Waste (Street address &/or ULSTR):                  |
| Process Equipment & Service Company                                  | Mainyard, stored in 55 gallon drums<br>& 18 Cubic Foot Steel Boxes. |
| 5680 US Highway 64<br>Farmington, New Mexico 87401                   | a to cubic root steel boxes.                                        |
| ratilitington, New Mexico 6/401                                      |                                                                     |
| Attach list of originating sites as appropriate                      | ·                                                                   |
| 4. Source and Description of Waste                                   |                                                                     |
|                                                                      | refurbishing production storage tanks,                              |
| separators, dehydrators, and other p                                 |                                                                     |
|                                                                      |                                                                     |
| •                                                                    |                                                                     |
|                                                                      |                                                                     |
|                                                                      |                                                                     |
|                                                                      |                                                                     |
| C                                                                    | ·                                                                   |
| Gary Howe (Print Name)                                               | representative for:                                                 |
| Process Equipment and Service Company                                | y, Inc. do hereby certify that                                      |
|                                                                      | ery Act (RCRA) and Environmental Protection Agency's July           |
| 988, regulatory determination, the above described                   | •                                                                   |
|                                                                      |                                                                     |
| <del></del>                                                          | MPT oilfield waste which is non-hazardous by characteristic         |
| analysis o                                                           | or by product identification                                        |
|                                                                      |                                                                     |
| d that nothing has been added to the exempt or no                    | on-exempt non-hazardous waste defined above.                        |
| NON EVERADT waste ask the following door                             |                                                                     |
| or NON-EXEMPT waste only the following documents on MSDS Information | Other (description):                                                |
| RCRA Hazardous Waste Analysis                                        | Other (description).                                                |
| Chain of Custody                                                     |                                                                     |
| Chair of Costody                                                     |                                                                     |
|                                                                      |                                                                     |
| $\mathcal{M}$                                                        |                                                                     |
| ame (Original Signature):                                            |                                                                     |
| 11                                                                   |                                                                     |
| lo: Safety Director                                                  |                                                                     |
| te: 10-10-2000                                                       |                                                                     |
| (6: 10 10 20 20 20                                                   |                                                                     |



### Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. 80X 929 • 87499 FARMINGTON, NEW MEXICO PHONE: (505) 327-2222 • FAX: (505) 327-7550

### NORM SURVEY DATA SHEET

| Facility / location: PESCO                                                                           | Date: 10-10-2000  |
|------------------------------------------------------------------------------------------------------|-------------------|
| Meter Model: DOSIMETER 3007A Serial No: 9808-                                                        | 238               |
| Detector Model: DOSIMETER 3012 Serial No: 201-88                                                     | 37-7100           |
| Calibration Date: 4-5-99                                                                             |                   |
| Battery Check: (大)                                                                                   |                   |
| Background Radiation Level: 6.03 mR/hr                                                               | ,                 |
| Description of material surveyed:  22 Buckets of Exempt  VARIOUS JOCATIONS                           | MATERIAL FROM     |
| Item / Material Sur                                                                                  | veyed:            |
| Waste Material:approx. gals  Equipment:  Manufacturer:  Serial No:  Description:  Job No:  Comments: | R/hr: <u>0.03</u> |
| Survey Conducted by: GARY W How E  (Print Name)  (Signature)                                         |                   |

District I ~(505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 T' trict III - (505) 334-6178 Rio Brazos Road ر NM 87410 مدرد

District IV - (505) 827-7131

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN:

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 10.3.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4. Generator NATCO                                                                       |
| Verbal Approval Received: Yes ☑ No ☐                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5. Originating Site Hain Yand                                                            |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Essuiro tach                                                              |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Now blanico                                                                     |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2855 Southside River Rd<br>Fourmington, DM 87481                                         |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |
| Bludger seele, solids com class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ing & ratorbisting oil &                                                                 |
| Dorm's Lorentrais & apripuration of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contra | of the end of the haul) 4 drumsy                                                         |
| SIGNATURE: Landfarm M. Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Manager DATE: (6 3,00 )  EPHONE NO. 505-632-0615 :                                       |
| APPROVED BY: Derry Town TITLE: Goods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0915 DATE: 10/11/00 DATE: 10/11/00                                                       |

### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 27410 [506] 334-6178 FAX (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

|             | . Generator Name and Address:                                                        | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                                                                      | Envirotech Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|             | Natco .                                                                              | Soil Remediation Remediation Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| - 1         | 2855 Southside River Rd                                                              | Landfarm #2, Hilltop, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| - [         | Farmington NM 87401                                                                  | 5796 US Hwy 64. Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3.          | Originating Site (name):                                                             | Location of the Waste (Street address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|             |                                                                                      | cleaning of oil and gas production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|             |                                                                                      | creating of oil and gas production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|             | equioment in Natcos vard.                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ı           |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|             | Attach list of originating sites as appropriate                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.          | Source and Description of Waste                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|             |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|             | Contaminated dirt and sludg                                                          | e. from various locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|             | See attached list                                                                    | , alon various rocations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| -           | bee accaened fist                                                                    | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <u> </u>    |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|             | <i>0</i>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.          | Kidwad Lambert                                                                       | representative for:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| '' —        | (Print Name)                                                                         | <del></del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|             | National Tank Co: Farmington                                                         | do hereby certify that,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 200         | cording to the Resource Conservation and Recove                                      | ry Act (RCRA) and Environmental Protection Agency's July,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 101         | 38, regulatory determination, the above described                                    | wacta is: (Chark appropriate description)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 130         | 50, rogulatory doctrimitation, and address documents                                 | in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of |
| XXX         | EXEMPT oilfield waste NON-EXEM                                                       | PPT oilfield waste which is non-hazardous by characteristic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| _           |                                                                                      | by product identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|             | analysis or                                                                          | by product identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|             | that nothing has been added to the exempt or no                                      | - ever-ren heredoug warte defined above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ano         | that nothing has been added to the exempt of ho                                      | n-exempt non-nazarduds waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| For         | NON-EXEMPT waste the following documenta                                             | tion is attached (check appropriate items):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|             | MSDS Information                                                                     | Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|             | RCRA Hazardous Waste Analysis                                                        | <b>–</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|             | Chain of Custody                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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|             |                                                                                      | N. A II. Commiss Dedication Metadal (NORM) purposet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|             |                                                                                      | Vaturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|             | s waste is in compliance with Regulated Levels of 120 NMAC 3.1 subpart 1403.C and D. | Vaturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|             |                                                                                      | Vaturally Occurring Radioactive Material (NORM) pursuant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| to 2        | 20 NMAC 3.1 subpart 1403.C and D.                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| to 2        | 20 NMAC 3.1 subpart 1403.C and D.                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| to 2        | 20 NMAC 3.1 subpart 1403.C and D.                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Nar<br>Titl | e: Shiff Supursol                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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### INSPECTION FOR NORM CONTAMINATION

| Location: / Location: / Date: 9-26-00                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Survey instrument model: Ludlum Model 3-98 Last calibrated: 8-12-99                                                                                                                                        |
| Item description: 4- Blue disposal Rangels.                                                                                                                                                                |
| Number of pieces:                                                                                                                                                                                          |
| Location where items originated: Units off of wash lack.                                                                                                                                                   |
| Background reading:                                                                                                                                                                                        |
| Highest NORM reading: 22 uR/hr (corrected for background)                                                                                                                                                  |
| Lowest NORM reading:uR/hr (corrected for background)                                                                                                                                                       |
| Any samples taken? If so, how many?                                                                                                                                                                        |
| 4 bannel Pieces inspected.  4 bannel Pieces found to be free of NORM contamination.  5 bannel # 3) H' 20 Low 1  Pieces found to have NORM contamination.  Bannel # 3) H' 20 Low 1  Bannel # 3) H' 21 Low 1 |
| Remarks: Barnele are scaled and of to be transfortal                                                                                                                                                       |
| Jen & Myronan                                                                                                                                                                                              |
| nspector: <u>Jesse B. Manzananes</u>                                                                                                                                                                       |
| What is final disposition? <u>Suppels</u> are ob- to be Disposed of.                                                                                                                                       |
| Released to: Elhom it may Concern Date: 9-26-00                                                                                                                                                            |

Dixtice 1 - (505) 393-6161 P.D. Box 7980 Holbs: NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 "-wice III - (505) 334-6178 Rio Brazos Road مـد, NM 87410 District IV - (505) 827-7131

### New Mexico

Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

OCT 0 3 2000

Environmental Bureau Oil Conservation Division Submit Origina. Plus I Čop to appropriate District Office

Form C-138

Originated 8/8/95

Env. JN: 98059.01

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4. Generator Compression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Verbal Approval Received: Yes 🔲 No 🖂                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Solids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Servens S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8. State Daw Marico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1125 43 Hwy 516<br>AZTEC, DW, 87410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | , 8777.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accepted and acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ompanied by necessary chemical analysis to<br>n of origin. No waste classified hazardous by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| SIGNATURE: TITLE: Landfarm M Waste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | anager DATE: 9.27.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | EPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| APPROVED BY: Dery tend TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DY 15 DATE: 7/2-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| APPROVED BY: Martin 1 My - TITLE: Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Geola: DATE: 10-3-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

TITLE: Lours and Geola:

DATE: 10-3-6_ _

Dintrict I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P' vict III - (505) 334-6178 Rio Brazos Road c, NM 87410 مد

APPROVED BY:

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

98059.01 Env. JN:

DATE:

| District IV - (505) 827-7131                                                                                                                                                                                                                                | Env. JN: <u>98059.01</u>                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                              | SOLID WASTE                                                                              |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                                                                                                                                 | 4. Generator Compression                                                                 |
| Verbal Approval Received: Yes ☐ No ☑                                                                                                                                                                                                                        | 5. Originating Site Solids                                                               |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                            | 6. Transporter Servanis                                                                  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                     | 8. State Daw Marico                                                                      |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                           | 1125 43 Hwy 516<br>AZTEC, DW, 87410                                                      |
| <ul> <li>9. <u>Circle One</u>:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptation; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> </ul> | ompanied by a certification of waste from the ompanied by necessary chemical analysis to |
| PROVE the material is not-hazardous and the Generator's certificatio listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned.                                                                     |                                                                                          |
| SIGNATURE: Landfarm M Waste Management FacilityAuthorized Agent                                                                                                                                                                                             | orator at the end of the haul) cy                                                        |
| TYPE OR PRINT NAME: Harlan M. Brown TEL                                                                                                                                                                                                                     | EPHONE NO                                                                                |
| APPROVED BY: Demy Frent TITLE: Geolo                                                                                                                                                                                                                        | 04/5/ DATE: 9/28/00                                                                      |

TITLE:



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
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GARY E. JOHNSON GOVERNOR

IENNIFER A. SALISBURY
CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

|                                                                                                                                                                                                                                              | 2. Destination Name:                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Universal Compression                                                                                                                                                                                                                        | Envirotech Inc.                                                                                                                           |
|                                                                                                                                                                                                                                              | Soil Remediation Remediation Facility                                                                                                     |
| 1125 US Huy 516<br>Aztec, N. M. 87410                                                                                                                                                                                                        | Landfarm #2, Hilltop, New Mexico                                                                                                          |
| ·                                                                                                                                                                                                                                            | 5796 IIS Hwy 64 Farmington, NM 87401                                                                                                      |
| 3. Originating Site Iname):                                                                                                                                                                                                                  | Location of the Waste (Street address &/or ULSTR):                                                                                        |
| 1125 4.5. Hwy516                                                                                                                                                                                                                             |                                                                                                                                           |
| AZTEC, N.M. 87410                                                                                                                                                                                                                            |                                                                                                                                           |
|                                                                                                                                                                                                                                              | ,                                                                                                                                         |
| Attach list of originating sites as appropriate                                                                                                                                                                                              | ·                                                                                                                                         |
| 4. Source and Description of Waste                                                                                                                                                                                                           |                                                                                                                                           |
| WAStewater From washing                                                                                                                                                                                                                      | CONDRESSORS & EQUIDADA                                                                                                                    |
| Wiste week pro- washing                                                                                                                                                                                                                      | Coupi issues i -g-gmeis                                                                                                                   |
| ·                                                                                                                                                                                                                                            | •                                                                                                                                         |
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| ·                                                                                                                                                                                                                                            | j                                                                                                                                         |
|                                                                                                                                                                                                                                              |                                                                                                                                           |
|                                                                                                                                                                                                                                              |                                                                                                                                           |
| 1 Gregg Se IF                                                                                                                                                                                                                                | representative for:  do hereby certify that, r Act (RCRA) and Environmental Protection Agency's July,                                     |
| (Print Name)                                                                                                                                                                                                                                 |                                                                                                                                           |
| Universal Compression, Enc.                                                                                                                                                                                                                  | do hereby certify that,                                                                                                                   |
| according to the Resource Conservation and Recover                                                                                                                                                                                           | Act (RCRA) and Environmental Protection Agency's July,                                                                                    |
| 1988, regulatory determination, the above described v                                                                                                                                                                                        | vaste is: (Check appropriate classification)                                                                                              |
| V NON TO THE                                                                                                                                                                                                                                 | we up the many which is any household by absorbatoristic                                                                                  |
| EXEMPT oilfield waste NON-EXEM                                                                                                                                                                                                               | PT oilfield waste which is non-hazardous by characteristic by product identification                                                      |
| anarysis or                                                                                                                                                                                                                                  | by product identification                                                                                                                 |
| ·                                                                                                                                                                                                                                            | · ·                                                                                                                                       |
| and that authing has been added to the exempt of DOD                                                                                                                                                                                         | exempt non-hazardous waste defined above.                                                                                                 |
| and that nothing has been added to the exempt or non                                                                                                                                                                                         | exempt non-hazardous waste defined above.                                                                                                 |
|                                                                                                                                                                                                                                              |                                                                                                                                           |
| For NON-EXEMPT waste the following documentate                                                                                                                                                                                               | on is attached (check appropriate items):                                                                                                 |
| For NON-EXEMPT waste the following documentate  MSDS Information                                                                                                                                                                             |                                                                                                                                           |
| For NON-EXEMPT waste the following documentate  MSDS Information  A RCRA Hazardous Waste Analysis                                                                                                                                            | on is attached (check appropriate items):                                                                                                 |
| For NON-EXEMPT waste the following documentate  MSDS Information                                                                                                                                                                             | on is attached (check appropriate items):                                                                                                 |
| For NON-EXEMPT waste the following documentate  MSDS Information  A RCRA Hazardous Waste Analysis                                                                                                                                            | on is attached (check appropriate items):                                                                                                 |
| For NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                            | on is attached (check appropriate items): Other (description):                                                                            |
| For NON-EXEMPT waste the following documentate  MSDS Information  X RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N                                                                  | on is attached (check appropriate items):                                                                                                 |
| For NON-EXEMPT waste the following documentate  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                                                                                                                            | on is attached (check appropriate items): Other (description):                                                                            |
| For NON-EXEMPT waste the following documentate MSDS Information  A RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.                              | on is attached (check appropriate items):Other (description):other (description): aturally Occurring Radioactive Material (NORM) pursuant |
| For NON-EXEMPT waste the following documentate MSDS Information  A RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.                              | on is attached (check appropriate items):Other (description):other (description): aturally Occurring Radioactive Material (NORM) pursuant |
| For NON-EXEMPT waste the following documentate  MSDS Information  A RCRA Hazardous Waste Analysis  Chain of Custody  This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.  Name (Original Signature): | on is attached (check appropriate items):  Other (description):  aturally Occurring Radioactive Material (NORM) pursuant                  |
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### REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

12-3-99

Printed Name

Gregg A. Se IF

Title / Agency

Universal Compression

Address

1125 4.5. Huy 516

Artec, W. U. 8740

Signature

9-27-00

Date



### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:

**Universal Compression** 

Project #:

805901

Sample ID:

Compressor Lube

Date Reported:

12-03-99

Lab ID#:

G526

Date Sampled:

12-01-99

Sample Matrix:

Soil

Date Received:

12-01-99

Preservative:

Cool

Date Analyzed:

12-03-99

Condition:

Cool and Intact

Chain of Custody:

7582

**Parameter** 

Result

**IGNITABILITY:** 

Negative

**CORROSIVITY:** 

Negative

pH = 8.29

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

U.S Hwy 550.

Field PHC; Spills & Leaks.

**Analyst** 

Review



### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| Client:            | Universal Compression | Project #:          | 805901   |
|--------------------|-----------------------|---------------------|----------|
| Sample ID:         | Compressor Lube       | Date Reported:      | 12-08-99 |
| Laboratory Number: | G526                  | Date Sampled:       | 12-01-99 |
| Chain of Custody:  | 7582                  | Date Received:      | 12-01-99 |
| Sample Matrix:     | TCLP Extract          | Date Extracted:     | 12-03-99 |
| Preservative:      | Cool                  | Date Analyzed:      | 12-07-99 |
| Condition:         | Cool & Intact         | Analysis Requested: | TCLP     |

| ·                    |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | 0.0023        | 0.0001    | 200        |
| Chloroform           | , ND          | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | 0.0138        | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND .          | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND .          | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |  |
|---------------------------|--------------------|------------------|--|
|                           | Trifluorotoluene   | 98%              |  |
|                           | Bromofluorobenzene | 99%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

U.S. Hwy. 550. Field PHC; Spills & Leaks.

Deur l. Gjeran

Review M Walter



### EPA METHOD 8040 PHENOLS

| Cliant             | Maintenal Communica   | Posts at the        | 005004         |
|--------------------|-----------------------|---------------------|----------------|
| Client:            | Universal Compression | Project #:          | 80590 <b>1</b> |
| Sample ID:         | Compressor Lube       | Date Reported:      | 12-07-99       |
| Laboratory Number: | G526                  | Date Sampled:       | 12-01-99       |
| Chain of Custody:  | 7582                  | Date Received:      | 12-01-99       |
| Sample Matrix:     | TCLP Extract          | Date Extracted:     | 12-03-99       |
| Preservative:      | Cool                  | Date Analyzed:      | 12-07-99       |
| Condition:         | Cool & Intact         | Analysis Requested: | TCLP           |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |  |
|-----------------------|----------------------|------------------|--|
|                       | 2-Fluorophenol       | 98%              |  |
| • •                   | 2,4,6-Tribromophenol | 99%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

U. S. Hwy. 550. Field PHC; Spills & Leaks.

Review



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Universal Compression | Project #:                                              | 805901                                                                                                                 |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Compressor Lube       | Date Reported:                                          | 12-07-99                                                                                                               |
| G526                  | Date Sampled:                                           | 12-01-99                                                                                                               |
| 7582                  | Date Received:                                          | 12-01-99                                                                                                               |
| TCLP Extract          | Date Extracted:                                         | 12-03-99                                                                                                               |
| Cool                  | Date Analyzed:                                          | 12-07-99                                                                                                               |
| Cool and Intact       | Analysis Requested:                                     | TCLP                                                                                                                   |
|                       | Compressor Lube<br>G526<br>7582<br>TCLP Extract<br>Cool | Compressor Lube Date Reported: G526 Date Sampled: 7582 Date Received: TCLP Extract Date Extracted: Cool Date Analyzed: |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) | : |
|---------------------|-------------------------|-------------------------|-------------------------------|---|
| Pyridine            | ND                      | 0.020                   | 5.0                           |   |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |   |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |   |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |   |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |   |
| HexachloroBenzene   | ND ·                    | 0.020                   | 0.13                          |   |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter        | Percent Recovery |  |
|---------------------------|------------------|------------------|--|
|                           | 2-fluorobiphenyl | 97%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

U. S. Hwy. 550. Field PHC; Spills & Leaks.

Den L. Oferen

Christini in Walles



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

|                    |                       |                  | · · · · · · · · · · · · · · · · · · · |
|--------------------|-----------------------|------------------|---------------------------------------|
| Client:            | Universal Compression | Project #:       | 805901                                |
| Sample ID:         | Compressor Lube       | Date Reported:   | 12-08-99                              |
| Laboratory Number: | G526                  | Date Sampled:    | 12-01-99                              |
| Chain of Custody:  | 7582                  | Date Received:   | 12-01-99                              |
| Sample Matrix:     | TCLP Extract          | Date Analyzed:   | 12-08-99                              |
| Preservative:      | Cool                  | Date Extracted:  | 12-03-99                              |
| Condition:         | Cool & Intact         | Analysis Needed: | TCLP metal                            |
|                    |                       | Det.             | Regulatory                            |
|                    | Concentration         | Limit            | Level                                 |
| Parameter          | (mg/L)                | (mg/L)           | (mg/L)                                |
| Arsenic            | 0.050                 | 0.001            | 5.0                                   |
| Barium             | 1.05                  | 0.001            | 21                                    |
| Cadmium            | 0.053                 | 0.001            | 0.11                                  |
| Chromium           | 0.025                 | 0.001            | 0.60                                  |
| _ead               | 0.073                 | 0.001            | 0.75                                  |
| Mercury            |                       | 0.001            | 0.025                                 |
| viei cui y         | 0.005                 | 0.001            | 0.023                                 |
| Belenium           | 0.005<br>0.029        | 0.001            | 5.7                                   |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

U. S. Hwy. 550. Field PHC; Spills & Leaks.

Alexander L. Gereen

Review Moelen



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 12-08-99 |
| Laboratory Number: | 12-07-TCLP VOL   | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 12-07-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
| :                    | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |  |
|---------------------------|--------------------|------------------|--|
|                           | Trifluorotoluene   | 100%             |  |
|                           | Bromofluorobenzene | 100%             |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

Deur L. Opler

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## FOUROTECH LABS

### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

### EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC          | Project #:          | N/A      |
|--------------------|----------------|---------------------|----------|
| Sample ID:         | Method Blank   | Date Reported:      | 12-08-99 |
| Laboratory Number: | 12-03-TCLP VOL | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract   | Date Received:      | N/A      |
| Preservative:      | N/A            | Date Analyzed:      | 12-07-99 |
| Condition:         | N/A            | Date Extracted:     | 12-03-99 |
|                    |                | Analysis Requested: | TCLP     |

|                      | Concentration | Detection<br>Limit | Regulatory |
|----------------------|---------------|--------------------|------------|
| ·<br>-               |               |                    | Limits     |
| Parameter            | (mg/L)        | (mg/L)             | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001             | . 0.2      |
| 1,1-Dichloroethene   | ND            | 0.0001             | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001             | 200        |
| Chloroform           | ND            | 0.0001             | 6.0        |
| Carbon Tetrachloride | ND ,          | 0.0001             | 0.5        |
| Benzene              | ND            | 0.0001             | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001             | 0.5        |
| Trichloroethene      | ND            | 0.0003             | 0.5        |
| Tetrachloroethene    | ND            | 0.0005             | 0.7        |
| Chlorobenzene        | ND            | 0.0003             | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002             | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |  |
|---------------------------|--------------------|------------------|--|
|                           | Trifluorotoluene   | 99%              |  |
|                           | Bromofluorobenzene | 98%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

Dew L. Grewn

Review M Walter

## **ENVIROTECH LABS**

### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client:             | QA/QC            | Project #:      | N/A      |
|---------------------|------------------|-----------------|----------|
| Sample ID:          | Matrix Duplicate | Date Reported:  | 12-08-99 |
| Laboratory Number:  | G525             | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract     | Date Received:  | N/A      |
| Analysis Requested: | TCLP             | Date Analyzed:  | 12-07-99 |
| Condition:          | N/A              | Date Extracted: | 12-03-99 |

|                        |        | Duplicate |           |            |
|------------------------|--------|-----------|-----------|------------|
|                        | Sample | Sample    | Detection |            |
|                        | Result | Result    | Limits    | Percent    |
| Parameter ^c | (mg/L) | (mg/L)    | (mg/L)    | Difference |
| Vinyl Chloride         | ND     | ND        | 0.0001    | 0.0%       |
| 1,1-Dichloroethene     | ND     | ND        | 0.0001    | 0.0%       |
| 2-Butanone (MEK)       | 0.0026 | 0.0026    | 0.0001    | 0.0%       |
| Chloroform             | ND     | ND        | 0.0001    | 0.0%       |
| Carbon Tetrachloride   | ND     | ND        | 0.0001    | 0.0%       |
| Benzene                | 0.0050 | 0.0050    | 0.0001    | 0.0%       |
| 1,2-Dichloroethane     | ND     | ND        | 0.0001    | 0.0%       |
| Trichloroethene        | ND     | ND .      | 0.0003    | 0.0%       |
| Tetrachloroethene      | ND     | ND        | 0.0005    | 0.0%       |
| Chlorobenzene          | ND     | ND        | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene    | ND     | ND        | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for sample G525 - G526.

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# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: Sample ID:

QA/QC Matrix Spike Project #:
Date Reported:
Date Sampled:

N/A 12-08-99

N/A

N/A

99%

42-143

Laboratory Number: Sample Matrix: Analysis Requested: Condition: G525 TCLP Extract TCLP

N/A

Date Received:
Date Analyzed:
Date Extracted:

0.0002

N/A 12-07-99

|                      |        |        | Spiked |        | ·        | SW-846  |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
|                      | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | 0.0026 | 0.050  | 0.0521 | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | 0.0050 | 0.050  | 0.0548 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chlorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |

ND - Parameter not detected at the stated detection limit.

References:

1.4-Dichlorobenzene

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

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Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

0.050

Comments:

QA/QC for sample G525 - G526.

ND

Analyst

Christin y Waller Review



## EPA METHOD 8040 PHENOLS Quality Assurance Report

### Laboratory Blank

|                    | ·                |                     |          |
|--------------------|------------------|---------------------|----------|
| Client:            | QA/QC            | Project #:          | N/A      |
| Sample ID:         | Laboratory Blank | Date Reported:      | 12-07-99 |
| Laboratory Number: | 12-07-TCA-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 12-07-99 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |               | Detection | Regulatory |  |
|-----------------------|---------------|-----------|------------|--|
|                       | Concentration | Limit     | Limit      |  |
| Parameter             | (mg/L)        | (mg/L)    | (mg/L)     |  |
| o-Cresol              | ND            | 0.020     | 200        |  |
| p,m-Cresol            | ND            | 0.040     | 200        |  |
| 2,4,6-Trichlorophenol | ND            | 0.020     | 2.0        |  |
| 2,4,5-Trichlorophenol | ND            | 0.020     | 400        |  |
| Pentachlorophenol     | ND            | 0.020     | 100        |  |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

Meur L. Green

Review Macket



## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 12-07-99 |
| Laboratory Number: | 12-03-TCA-MB  | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Cool          | Date Extracted:     | 12-03-99 |
| Condition:         | Cool & Intact | Date Analyzed:      | 12-07-99 |
| •                  |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |   |
|-----------------------|-------------------------|-------------------------|-------------------------------|---|
| o-Cresol              | ND                      | 0.020                   | 200                           |   |
| p,m-Cresol            | ND                      | 0.040                   | 200                           | • |
| 2,4,6-Trichlorophenol | ND .                    | 0.020                   | 2.0                           |   |
| 2,4,5-Trichlorophenol | ND ·                    | 0.020                   | 400                           |   |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |   |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

Alexan L. Cylence

Review



## EPA METHOD 8040 PHENOLS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 12-07-99 |
| Laboratory Number: | G526             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | N/A      |
| Condition:         | Cool & Intact    | Date Analyzed:      | 12-07-99 |
| •                  |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter | Maximum Difference |
|----------------------------|-----------|--------------------|
|                            |           |                    |

8040 Compounds

30.0%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

Analyst

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## ENVIROTECH LABS

### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW.

# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 12-07-99 |
| Laboratory Number: | 12-07-TBN-Blank  | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 12-07-99 |
|                    | :                | Analysis Requested: | TCLP     |

|                     | Concentration | Det.<br>Limit | Regulatory<br>Limit |   |
|---------------------|---------------|---------------|---------------------|---|
| Parameter           | (mg/L)        | (mg/L)        | (mg/L)              |   |
| Pyridine            | , ND          | 0.020         | 5.0                 |   |
| Hexachloroethane    | ND            | 0.020         | 3.0                 |   |
| Nitrobenzene        | ND            | 0.020         | 2.0                 |   |
| Hexachlorobutadiene | ND            | 0.020         | 0.5                 | : |
| 2,4-Dinitrotoluene  | ND            | 0.020         | 0.13                |   |
| HexachloroBenzene   | ND            | 0.020         | 0.13                |   |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | <i>j</i> 1 | Percent Recovery | · · · · · · | 7: |
|---------------------------|-----------|------------|------------------|-------------|----|
|                           |           |            |                  |             | 1  |

#### 2-fluorobiphenyl

95%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

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# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

QA/QC Client: Project #: N/A Sample ID: Method Blank Date Reported: 12-07-99 Laboratory Number: 12-03-TBN-MB Date Sampled: N/A Sample Matrix: **TCLP Extract** Date Received: N/A Preservative: Cool Date Extracted: 12-03-99 Condition: Cool and Intact Date Analyzed: 12-07-99 Analysis Requested: **TCLP** 

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) | ; |
|---------------------|-------------------------|-------------------------|-------------------------------|---|
| Pyridine            | ND                      | 0.020                   | 5.0                           |   |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |   |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |   |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |   |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |   |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |   |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

### 2-fluorobiphenyl

101%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

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## ENVIROTECH LABS

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 12-07-99 |
| Laboratory Number: | G526             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | · N/A            | Date Extracted:     | 12-03-99 |
| Condition:         | N/A              | Date Analyzed:      | 12-07-99 |
| 90                 | :                | Analysis Requested: | TCLP     |

|                     | Sample | Duplicate |            | Det.            |
|---------------------|--------|-----------|------------|-----------------|
| 1                   | Result | Result    | Percent    | Limit           |
| Parameter           | (mg/L) | (mg/L)    | Difference | (mg/ <b>L</b> ) |
| Pyridine            | ND     | ND        | 0.0%       | 0.020           |
| Hexachloroethane    | ND     | ND        | 0.0%       | 0.020           |
| Nitrobenzene        | ND     | ND        | 0.0%       | 0.020           |
| Hexachlorobutadiene | ND     | ND        | 0.0%       | 0.020           |
| 2,4-Dinitrotoluene  | ND     | ND        | 0.0%       | 0.020           |
| HexachloroBenzene   | ND     | · ·· ND   | 0.0%       | 0.020           |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

#### 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for sample G525 - G526.

allen L. Colever

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## ENVIROTECH LABS

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW.

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 12-08-TCM QA/QC | Date Reported:  | 12-08-99 |
| Laboratory Number:  | G525            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 12-08-99 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate    | Instrument  | Method        |                         | THE SANGE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P | Duplicat | Greek Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee | Acceptance           |
|----------------------|-------------|---------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Conc. (mg/L) Arsenic | Blank<br>ND | 。 Blank<br>ND | <u>最 Limit</u><br>0.001 | 0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.013    | Diff<br>0.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Range<br>0% - 30%    |
| Barium               | ND          | ND            | 0.001                   | 0.399                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.396    | 0.8%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%<br>0% - 30% |
| Cadmium              | ND          | ND            | 0.001                   | 0.064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.063    | 1.6%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |
| Chromium             | ND          | ND            | 0.001                   | 0.064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.064    | 0.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |
| Lead                 | ND          | ND            | 0.001                   | 0.029                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.029    | 0.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |
| Mercury              | ·ND         | ND            | 0.001                   | 0.007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.007    | 0.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |
| Selenium             | ND          | ND            | 0.001                   | 0.058                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.059    | 1.7%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |
| Silver               | ND          | ND            | 0.001                   | 0.038                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.038    | 0.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0% - 30%             |

| Spike Spike | Spike<br>Added | s Sampl | e Spiked<br>Samula | Percent : | Acceptance |
|-------------|----------------|---------|--------------------|-----------|------------|
|             |                |         |                    |           |            |
| Arsenic     | 0.500          | 0.013   | 0.512              | 99.8%     | 80% - 120% |
| Barium      | 0.500          | 0.399   | 0.897              | 99.8%     | 80% - 120% |
| Cadmium     | 0.500          | 0.064   | 0.563              | 99.8%     | 80% - 120% |
| Chromium    | 0.500          | 0.064   | 0.563              | 99.8%     | 80% - 120% |
| Lead        | 0.500          | 0.029   | 0.528              | 99.8%     | 80% - 120% |
| Mercury     | 0.050          | 0.007   | 0.056              | 98.2%     | 80% - 120% |
| Selenium    | 0.500          | 0.058   | 0.557              | 99.8%     | 80% - 120% |
| Silver      | 0.500          | 0.038   | 0.539              | 100.2%    | 80% - 120% |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples G525 - G526.

Analyst

Mistari My Walls

### **CHAIN OF CUSTODY RECORD**

| Client / Project Name UNiversal | mpress         | m              | Project Location  4. S. | H-7 550                        |                      | <del> </del> |       | A  | NALYSIS / | PARAM | ETERS           |          | <del></del>  | ************************************** |          |
|---------------------------------|----------------|----------------|-------------------------|--------------------------------|----------------------|--------------|-------|----|-----------|-------|-----------------|----------|--------------|----------------------------------------|----------|
| Sampler:<br>Harrin              |                |                | Client No.              | 59-01                          | No. of<br>Containers | 4.0          |       |    |           |       |                 | Remarks  | 3            |                                        | 1        |
| Sample No./<br>Identification   | Sample<br>Date | Sample<br>Time | Lab Number              | Sample<br>Matrix               | Contr                | KLP<br>W. H. | •     |    |           |       |                 |          |              |                                        | 1        |
| Compressor Lub                  | 12.1.99        | 14:00          | G526                    | 50:1                           | \                    |              |       |    |           |       | Field           | PHC      | 5+8          | U.                                     | <b>B</b> |
|                                 |                |                |                         |                                |                      |              |       |    |           |       |                 |          |              |                                        |          |
|                                 |                |                |                         |                                |                      |              |       | -  |           |       |                 |          |              |                                        | -        |
|                                 |                |                |                         |                                |                      |              |       |    |           |       |                 |          |              |                                        |          |
|                                 |                |                |                         |                                |                      |              |       |    |           |       |                 |          |              |                                        | -        |
|                                 |                |                |                         |                                |                      |              |       |    |           |       |                 |          |              |                                        |          |
|                                 | JUB1           |                | >                       | 12.1.99 14:50                  | ceived by            | ish          | M     | Wo | uh        |       |                 | Date     |              | Time                                   |          |
| Relinquished by: (Sign          | ature)         |                | ·                       | Re                             | ceived by            | : (Signat    | luje) |    |           |       |                 |          |              |                                        |          |
| Relinquished by: (Sigr          | nature)        | _              |                         | Re                             | ceived by            | /: (Signa    | ture) |    |           |       |                 |          |              |                                        |          |
|                                 |                |                |                         | ENVIROTI                       | ECH                  | 110          | C.    |    |           |       | Samp            | le Recei | <del>-</del> |                                        |          |
|                                 |                |                |                         | 5796 U.S. H<br>Farmington, Nev |                      |              | 01    |    |           |       | Received Inta   |          | Y            | N                                      | N/A      |
| , s                             |                |                |                         | (505) 63                       |                      |              |       |    |           | ļ     | Cool - Ice/Blue | Ice L    | _            | -                                      |          |

District I - (505) 393-6161
P. 1980
Hobbi: NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
Profit III - (505) 334-6178
Rio Brazos Road
L., NM 87410
District IY - (505) 827-7131

APPROVED BY:

Energy.

New Mexico

Inerals and Natural Resources _ epartment

Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 CED 2 C ages

Submit Origina Plus 1 Cc to appropria District Offi

Form C-13

Originated 8/8/9

SEP 2 6 2000

Environmental Bureau
Env. Oil Conservations Division

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                         | SOLID WASTE                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: Deany Fount                                                                                                                                                                                                                                                                                                                                                                                | 4. Generator ENERGY Sarvice                                                            |
| Verbal Approval Received: Yes 🖂 No 🔲                                                                                                                                                                                                                                                                                                                                                                                   | 5. Originating Site Wash bay                                                           |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                       | 6. Transporter Eduino tech                                                             |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                | 8. State Huns bluesico                                                                 |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                      | 4109 & Hamst.<br>Formington, DM 87401                                                  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                                                      |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accomproved the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned</li> </ul> | mpanied by necessary chemical analysis to not origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |
| Continuation of work by Solids TCCP Attached                                                                                                                                                                                                                                                                                                                                                                           | OCT 2000  PRECEIVED ONLOON. DIV DAST. 3                                                |
| Estimated Volume 40 cy Known Volume (to be entered by the ope SIGNATURE: Landfarm Mawaste Management Facility Authorized Agent TYPE OR PRINT NAME: Harlan M. Brown TELE                                                                                                                                                                                                                                                |                                                                                        |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                             | (5)                                                                                    |

Diagra I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Arcesia, NM 88210 P'-trict III - (505) 334-6178 Rio Brazos Road

District IY - (505) 827-7131

~_ic, NM 87410

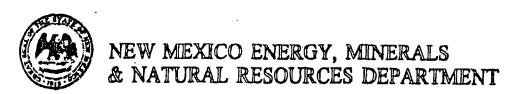
## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: 92132

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                           | SOLID WASTE                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: A Denny fonst                                                                                                                                                                                                                                                                                                                                                                                | 4. Generator Halliburtian ENERGY Service                                                 |
| Verbal Approval Received: Yes 🔀 No 🔲                                                                                                                                                                                                                                                                                                                                                                                     | 5. Originating Site Wash bay                                                             |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                         | 6. Transporter Eduivotech                                                                |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                  | 8. State Down Phagoico                                                                   |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                        | 4109 & Main St.<br>Farmington DM 87401                                                   |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                                                                        |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompressed the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| Condimunation of work buy Solids TCCP Attached                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                                        |
| Estimated Volume ————————————————————————————————————                                                                                                                                                                                                                                                                                                                                                                    | erator at the end of the haul) —————— cy                                                 |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TELI                                                                                                                                                                                                                                                                                                                          | DATE: 9 . / 9 . 0                                                                        |
| APPROVED BY:  TITLE:  TITLE:                                                                                                                                                                                                                                                                                                                                                                                             | DATE: 9/22/12)                                                                           |



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOB ROAD AZTEC, NEW MEXICO 87410 (508) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                  | 2. Destination Name:                                                             |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------|
| Applibenten Energy Services                                     | Envirotech Inc.                                                                  |
| 4100 En                                                         | Soil Remediation Remediation Facility                                            |
| 4109 E May May 87401                                            | Landfarm #2, Hilltop,New Mexico<br>5796 US Hwy 64, Farmington, NM 87401          |
| 3. Originating Site (name):                                     | Location of the Waste (Street address &/or ULSTR):                               |
| Wash Bay Dee Above                                              | 4109 E Main                                                                      |
| Holding Frea                                                    | Formington n Mex                                                                 |
|                                                                 | Tormington 11 Mey                                                                |
| Attach list of originating sites as appropriate                 |                                                                                  |
| 4. Source and Description of Waste                              | ·                                                                                |
| Word Bay Solido Contr                                           | nuation )                                                                        |
|                                                                 | 4                                                                                |
|                                                                 |                                                                                  |
|                                                                 |                                                                                  |
| , , , , , , , , , , , , , , , , , , ,                           |                                                                                  |
| 1. Doug Hooges                                                  | representative for:                                                              |
| 1. Doug Hooges (Print Name) - Helleburtan Energy Jernero        |                                                                                  |
| Abellebreta Every Jemes                                         | do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July, |
| 1988, regulatory determination, the above described v           | •                                                                                |
|                                                                 |                                                                                  |
|                                                                 | PT oilfield waste which is non-hazardous by characteristic                       |
| analysis or                                                     | by product identification                                                        |
| and that nothing has been added to the exempt or non            | -exempt non-hazardous waste defined above.                                       |
|                                                                 |                                                                                  |
| For NON-EXEMPT waste the following documentate MSDS Information | ion is attached (check appropriate items): Other (description):                  |
| RCRA Hazardous Waste Analysis                                   | Other toescription,                                                              |
| Chain of Custody                                                |                                                                                  |
|                                                                 |                                                                                  |
| The same this assertion as with Donald and Lougla of Al         | churally Occurring Padioactive Material (NORM) purguant                          |
| to 20 NMAC 3.1 subpart 1403.C and D.                            | aturally Occurring Radioactive Material (NORM) pursuant                          |
| 10 20 7 mm 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0                    |                                                                                  |
|                                                                 |                                                                                  |
| . / / / / / / / / / / / / / / / / /                             |                                                                                  |
| Name (Original Signature): Nove Ho                              | lgez                                                                             |
| Maria                                                           | Open                                                                             |
| Name (Original Signature): Nous Horistone                       | les                                                                              |



## **REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE**

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

**Printed Name** 

Title / Agency

Address

Signature

Date

February 17, 2000

Mr. Doug Hodges Halliburton Energy Services 4109 E. Main Farmington, NM 87402

Phone: (505) 325-3575

Client No.: 92132-01 Job No.: 213201

Dear Mr. Hodges,

Enclosed are the analytical results for the sample collected from the location designated as "4109 E. Main, Farmington, NM". One sludge sample was collected by Envirotech personnel on 2/10/00, and received by the Envirotech laboratory on 2/10/00 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 7673 and assigned Laboratory No. G811 (Wash Bay Sludge) for tracking purposes.

The sample was analyzed 2/10/00 through 2/16/00 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted, Envirotech. Inc.

Christine M. Walters

Łaboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/Half.wpd



## SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Client:

Halliburton Energy Services

Project #:

Sample ID:

Wash Bay Sludge

213201

Lab ID#:

G811

Date Reported: 02-10-00

Sample Matrix:

Date Sampled: 02-10-00

Sludge

Date Received:

02-10-00

Preservative:

Cool

Date Analyzed:

02-10-00

Condition:

Cool and Intact

Chain of Custody:

7673

**Parameter** 

Result

**IGNITABILITY:** 

Negative

CORROSIVITY:

Negative

pH = 7.60

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

**Hazardous Waste Criterion** 

IGNITABILITY:

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.

(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst



## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-14-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | 0.0429        | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | 0.0066        | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
| •                         | Trifluorotoluene   | 98%              |
|                           | Bromofluorobenzene | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst

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## EPA METHOD 8040 PHENOLS

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool & Intact               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|------------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                        | 200                           |
| p,m-Cresol            | ND                      | 0.040                        | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                        | 2.0                           |
| 2,4,5-Trichlorophenol | ND                      | 0.020                        | 400                           |
| Pentachlorophenol     | ND                      | 0.020                        | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

"References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

Analyst



## EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

| Client:            | Halliburton Energy Services | Project #:          | 213201   |
|--------------------|-----------------------------|---------------------|----------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:      | 02-16-00 |
| Laboratory Number: | G811                        | Date Sampled:       | 02-10-00 |
| Chain of Custody:  | 7673                        | Date Received:      | 02-10-00 |
| Sample Matrix:     | TCLP Extract                | Date Extracted:     | 02-11-00 |
| Preservative:      | Cool                        | Date Analyzed:      | 02-15-00 |
| Condition:         | Cool and Intact             | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

## 2-fluorobiphenyl

96%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

4109 E. Main, Farmington, NM.

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# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | Halliburton Energy Services | Project #:       | 213201      |
|--------------------|-----------------------------|------------------|-------------|
| Sample ID:         | Wash Bay Sludge             | Date Reported:   | 02-16-00    |
| Laboratory Number: | G811                        | Date Sampled:    | 02-10-00    |
| Chain of Custody:  | 7673                        | Date Received:   | 02-10-00    |
| Sample Matrix:     | TCLP Extract                | Date Analyzed:   | 02-16-00    |
| Preservative:      | Cool                        | Date Extracted:  | 02-11-00    |
| Condition:         | Cool & Intact               | Analysis Needed: | TCLP metals |
| Preservative:      | Cool                        | Date Extracted:  | 02-11-00    |

|           |               | Det.   | Regulatory |
|-----------|---------------|--------|------------|
|           | Concentration | Limit  | Level      |
| Parameter | (mg/L)        | (mg/L) | (mg/L)     |
|           |               |        |            |
| Arsenic   | 0.064         | 0.001  | 5.0        |
| Barium    | 0.640         | 0.001  | . 21       |
| Cadmium   | 0.035         | 0.001  | 0.11       |
| Chromium  | 0.024         | 0.001  | 0.60       |
| Lead      | 0.034         | 0.001  | 0.75       |
| Mercury   | 0.002         | 0.001  | 0.025      |
| Selenium  | 0.021         | .0.001 | 5.7        |
| Silver    | 0.019         | 0.001  | 0.14       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

4109 E. Main, Farmington, NM.

Analyst

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# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-14-TCV        | Date Sampled:       | N/A      |
| Sample Matrix:     | Water            | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-14-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND            | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1.4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |  |
|---------------------------|-----------|------------------|--|
|                           |           |                  |  |

Trifluorotoluene Bromofluorobenzene 100% 100%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

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# EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

| Client:            | QA/QC-       | Proiect #:          | NIA      |
|--------------------|--------------|---------------------|----------|
| _ · · · · ·        | • • • •      | •                   | N/A      |
| Sample ID:         | Method Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCV    | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract | Date Received:      | N/A      |
| Preservative:      | N/A          | Date Analyzed:      | 02-14-00 |
| Condition:         | N/A          | Date Extracted:     | 02-11-00 |
|                    |              | Analysis Requested: | TCLP     |

|                      |               | Detection | Regulatory |
|----------------------|---------------|-----------|------------|
|                      | Concentration | Limit     | Limits     |
| Parameter            | (mg/L)        | (mg/L)    | (mg/L)     |
| Vinyl Chloride       | ND            | 0.0001    | 0.2        |
| 1,1-Dichloroethene   | ND            | 0.0001    | 0.7        |
| 2-Butanone (MEK)     | ND            | 0.0001    | 200        |
| Chloroform           | ND            | 0.0001    | 6.0        |
| Carbon Tetrachloride | ND            | 0.0001    | 0.5        |
| Benzene              | ND            | 0.0001    | 0.5        |
| 1,2-Dichloroethane   | ND .          | 0.0001    | 0.5        |
| Trichloroethene      | ND            | 0.0003    | 0.5        |
| Tetrachloroethene    | ND            | 0.0005    | 0.7        |
| Chlorobenzene        | ND            | 0.0003    | 100        |
| 1,4-Dichlorobenzene  | ND            | 0.0002    | 7.5        |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter          | Percent Recovery |
|---------------------------|--------------------|------------------|
|                           | Trifluorotoluene   | 99%              |
| ·                         | Bromofluorobenzene | 98%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

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## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

| Client: Sample ID: Laboratory Number:         | QA/QC<br>Matrix Duplicate<br>G810 | Project #: Date Reported: Date Sampled:       | N/A<br>02-16-00<br>N/A      |
|-----------------------------------------------|-----------------------------------|-----------------------------------------------|-----------------------------|
| Sample Matrix: Analysis Requested: Condition: | TCLP Extract<br>TCLP<br>N/A       | Date Received: Date Analyzed: Date Extracted: | N/A<br>02-14-00<br>02-11-00 |

| Duplicate            |        |        |           |            |
|----------------------|--------|--------|-----------|------------|
|                      | Sample | Sample | Detection |            |
|                      | Result | Result | Limits    | Percent    |
| Parameter            | (mg/L) | (mg/L) | (mg/L)    | Difference |
| Vinyl Chloride       | ND     | ND     | 0.0001    | 0.0%       |
| 1,1-Dichloroethene   | ND     | ND     | 0.0001    | 0.0%       |
| 2-Butanone (MEK)     | 0.0129 | 0.0129 | 0.0001    | 0.0%       |
| Chloroform           | ND     | ND     | 0.0001    | 0.0%       |
| Carbon Tetrachloride | ND     | ND     | 0.0001    | 0.0%       |
| Benzene              | 0.0038 | 0.0038 | 0.0001    | 0.0%       |
| 1,2-Dichloroethane   | ND     | ND     | 0.0001    | 0.0%       |
| Trichloroethene      | ND     | ND     | 0.0003    | 0.0%       |
| Tetrachloroethene    | ND     | ND     | 0.0005    | 0.0%       |
| Chlorobenzene        | ND     | ND     | 0.0003    | 0.0%       |
| 1,4-Dichlorobenzene  | ND     | ND     | 0.0002    | 0.0%       |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

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## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: QA/QC Project #: N/A Sample ID: Matrix Spike Date Reported: 02-16-00 Laboratory Number: G810 Date Sampled: N/A Sample Matrix: **TCLP Extract** Date Received: N/A Analysis Requested: **TCLP** Date Analyzed: 02-14-00 Condition: N/A Date Extracted: 02-11-00

|                      |        |        | Spiked |        |          | SW-846  |
|----------------------|--------|--------|--------|--------|----------|---------|
|                      | Sample | Spike  | Sample | Det.   |          | % Rec.  |
| Į<br>Į               | Result | Added  | Result | Limit  | Percent  | Accept. |
| Parameter            | (mg/L) | (mg/L) | (mg/L) | (mg/L) | Recovery | Range   |
| Vinyl Chloride       | ND     | 0.050  | 0.0495 | 0.0001 | 99%      | 28-163  |
| 1,1-Dichloroethene   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 43-143  |
| 2-Butanone (MEK)     | 0.0129 | 0.050  | 0.0624 | 0.0001 | 99%      | 47-132  |
| Chloroform           | ND     | 0.050  | 0.0498 | 0.0001 | 100%     | 49-133  |
| Carbon Tetrachloride | ND     | 0.050  | 0.0491 | 0.0001 | 98%      | 43-143  |
| Benzene              | 0.0038 | 0.050  | 0.0536 | 0.0001 | 100%     | 39-150  |
| 1,2-Dichloroethane   | ND     | 0.050  | 0.0494 | 0.0001 | 99%      | 51-147  |
| Trichloroethene      | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 35-146  |
| Tetrachloroethene    | ND     | 0.050  | 0.0494 | 0.0005 | 99%      | 26-162  |
| Chiorobenzene        | ND     | 0.050  | 0.0494 | 0.0003 | 99%      | 38-150  |
| 1,4-Dichlorobenzene  | ND     | 0.050  | 0.0494 | 0.0002 | 99%      | 42-143  |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples G810 - G811 and G836.

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## EPA METHOD 8040 PHENOLS

## Quality Assurance Report Laboratory Blank

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TCA        | Date Sampled:       | N/A      |
| Sample Matrix:     | 2-Propanol       | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Analyzed:      | 02-15-00 |
| Condition:         | N/A              | Analysis Requested: | TCLP     |

| Analytical Results    |               | Detection | Regulatory |
|-----------------------|---------------|-----------|------------|
| _ ,                   | Concentration | Limit     | Limit      |
| Parameter             | (mg/L)        | (mg/L)    | (mg/L)     |
| o-Cresol              | ND            | 0.020     | 200        |
| p,m-Cresol            | ND            | 0.040     | 200        |
| 2,4,6-Trichlorophenol | ND            | 0.020     | 2.0        |
| 2,4,5-Trichlorophenol | ND            | 0.020     | 400        |
| Pentachlorophenol     | ND            | 0.020     | 100        |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-fluorophenol       | 98 %             |
|                       | 2,4,6-tribromophenol | 99 %             |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Allen L. Glerce

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## **EPA METHOD 8040 PHENOLS**

## **Quality Assurance Report**

| Client:            | QA/QC         | Project #:          | N/A      |
|--------------------|---------------|---------------------|----------|
| Sample ID:         | Method Blank  | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TCA     | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract  | Date Received:      | N/A      |
| Preservative:      | Caol          | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact | Date Analyzed:      | 02-15-00 |
|                    |               | Analysis Requested: | TCLP     |

| Parameter             | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|-----------------------|-------------------------|-------------------------|-------------------------------|
| o-Cresol              | ND                      | 0.020                   | 200                           |
| p,m-Cresol            | ND                      | 0.040                   | 200                           |
| 2,4,6-Trichlorophenol | ND                      | 0.020                   | 2.0                           |
| 2,4,5-Trichlorophenol | ND .                    | 0.020                   | 400                           |
| Pentachlorophenol     | ND                      | 0.020                   | 100                           |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter            | Percent Recovery |
|-----------------------|----------------------|------------------|
|                       | 2-Fluorophenol       | 98%              |
|                       | 2,4,6-Tribromophenol | 99%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.



## **EPA METHOD 8040 PHENOLS Quality Assurance Report**

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Matrix Duplicate | Date Reported:      | 02-16-00 |
| Laboratory Number: | G810             | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract     | Date Received:      | N/A      |
| Preservative:      | Cool             | Date Extracted:     | 02-11-00 |
| Condition:         | Cool & Intact    | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCLP     |

| Parameter             | Sample<br>Result<br>(mg/L) | Duplicate<br>Result<br>(mg/L) | Detection<br>Limit<br>(mg/L) | Percent<br>Difference |
|-----------------------|----------------------------|-------------------------------|------------------------------|-----------------------|
| o-Cresol              | ND                         | ND                            | 0.020                        | 0.0%                  |
| p,m-Cresol            | ND                         | ND                            | 0.040                        | 0.0%                  |
| 2,4,6-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| 2,4,5-Trichlorophenol | ND                         | ND                            | 0.020                        | 0.0%                  |
| Pentachlorophenol     | ND                         | ND                            | 0.020                        | 0.0%                  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria: | Parameter      | Maximum Difference |
|----------------------------|----------------|--------------------|
|                            |                |                    |
|                            | 8040 Compounds | 30.0%              |

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics Quality Assurance Report

| Client:            | QA/QC            | Project #:          | N/A      |
|--------------------|------------------|---------------------|----------|
| Sample ID:         | Laboratory Blank | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-15-TBN        | Date Sampled:       | N/A      |
| Sample Matrix:     | Hexane           | Date Received:      | N/A      |
| Preservative:      | N/A              | Date Extracted:     | N/A      |
| Condition:         | N/A              | Date Analyzed:      | 02-15-00 |
|                    |                  | Analysis Requested: | TCI P    |

|                     |               | Det.   | Regulatory |
|---------------------|---------------|--------|------------|
|                     | Concentration | Limit  | Limit      |
| Parameter           | (mg/L)        | (mg/L) | (mg/L)     |
| Pyridine            | ND            | 0.020  | 5.0        |
| Hexachloroethane    | ND            | 0.020  | 3.0        |
| Nitrobenzene        | ND            | 0.020  | 2.0        |
| Hexachlorobutadiene | ND            | 0.020  | 0.5        |
| 2,4-Dinitrotoluene  | ND            | 0.020  | 0.13       |
| HexachloroBenzene   | ND            | 0.020  | 0.13       |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Percent Recovery |
|---------------------------|-----------|------------------|
|                           |           |                  |

## 2-fluorobiphenyl

97%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Qui

Christia M Waeters
Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QUALITY ASSURANCE REPORT

| Client:            | QA/QC           | Project #:          | N/A      |
|--------------------|-----------------|---------------------|----------|
| Sample ID:         | Method Blank    | Date Reported:      | 02-16-00 |
| Laboratory Number: | 02-11-TBN       | Date Sampled:       | N/A      |
| Sample Matrix:     | TCLP Extract    | Date Received:      | N/A      |
| Preservative:      | Cool            | Date Extracted:     | 02-11-00 |
| Condition:         | Cool and Intact | Date Analyzed:      | 02-15-00 |
|                    |                 | Analysis Requested: | TCLP     |

| Parameter           | Concentration<br>(mg/L) | Det.<br>Limit<br>(mg/L) | Regulatory<br>Limit<br>(mg/L) |
|---------------------|-------------------------|-------------------------|-------------------------------|
| Pyridine            | ND                      | 0.020                   | 5.0                           |
| Hexachloroethane    | ND                      | 0.020                   | 3.0                           |
| Nitrobenzene        | ND                      | 0.020                   | 2.0                           |
| Hexachlorobutadiene | ND                      | 0.020                   | 0.5                           |
| 2,4-Dinitrotoluene  | ND                      | 0.020                   | 0.13                          |
| HexachloroBenzene   | ND                      | 0.020                   | 0.13                          |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter        | Percent Recovery |  |
|---------------------------|------------------|------------------|--|
| · · · ·                   | 2-fluorobiphenyl | 96%              |  |

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Den L. Opera Christin M Analyst Review



# EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

Client: QA/QC Project #: N/A Sample ID: Matrix Duplicate Date Reported: 02-16-00 Laboratory Number: G810 Date Sampled: N/A Sample Matrix: **TCLP Extract** Date Received: N/A Preservative: N/A Date Extracted: 02-11-00 Condition: N/A Date Analyzed: 02-15-00 Analysis Requested: **TCLP** 

|                     | Sample | Duplicate |            | Det.   |
|---------------------|--------|-----------|------------|--------|
|                     | Result | Result    | Percent    | Limit  |
| Parameter           | (mg/L) | (mg/L)    | Difference | (mg/L) |
| Pyridine            | ND     | ND        | 0.0%       | 0.020  |
| Hexachloroethane    | ND     | ND .      | 0.0%       | 0.020  |
| Nitrobenzene        | ND -   | ND        | 0.0%       | 0.020  |
| Hexachlorobutadiene | ND     | ND        | 0.0%       | 0.020  |
| 2,4-Dinitrotoluene  | ND     | ND        | 0.0%       | 0.020  |
| HexachloroBenzene   | ND     | ND        | 0.0%       | 0.020  |

ND - Parameter not detected at the stated detection limit.

| QA/QC Acceptance Criteria | Parameter | Maximum Difference |
|---------------------------|-----------|--------------------|
|                           |           |                    |

## 8090 Compounds

30%

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst Quen



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| Client:             | QA/QC           | Project #:      | N/A      |
|---------------------|-----------------|-----------------|----------|
| Sample ID:          | 02-16-TCM QA/QC | Date Reported:  | 02-16-00 |
| Laboratory Number:  | G810            | Date Sampled:   | N/A      |
| Sample Matrix:      | TCLP Extract    | Date Received:  | N/A      |
| Analysis Requested: | TCLP Metals     | Date Analyzed:  | 02-16-00 |
| Condition:          | N/A             | Date Extracted: | N/A      |

| Blank & Duplicate    | SECURIO CONTINUES AND MARKET SECURIO | Method      | Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and Carlot and | No. and the second of the second | Duplicate |               | Acceptance 7      |
|----------------------|--------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------|---------------|-------------------|
| Conc. (mg/L) Arsenic | Blank<br>ND                          | Blank<br>ND | Llmit<br>0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.067                            | 0.066     | Diff.<br>1.5% | Range<br>0% - 30% |
| Barium               | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.585                            | 0.582     | 0.5%          | 0% - 30%          |
| Cadmium              | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.035                            | 0.035     | 0.0%          | 0% - 30%          |
| Chromium             | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.022                            | 0.022     | 0.0%          | 0% - 30%          |
| Lead                 | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.031                            | 0.031     | 0.0%          | 0% - 30%          |
| Mercury              | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ND                               | ND        | 0.0%          | 0% - 30%          |
| Selenium             | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.037                            | 0.036     | 2.7%          | 0% - 30%          |
| Silver               | ND                                   | ND          | 0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.016                            | 0.016     | 0.0%          | 0% - 30%          |

| Spike    | Spike<br>Added |       |          |          | Acceptance        |
|----------|----------------|-------|----------|----------|-------------------|
|          | Avec           |       | Seimble. | ineeney. | en en Raige en An |
| Arsenic  | 0.500          | 0.067 | 0.566    | 99.8%    | 80% - 120%        |
| Barium   | 0.500          | 0.585 | 1.08     | 99.8%    | 80% - 120%        |
| Cadmium  | 0.500          | 0.035 | 0.534    | 99.8%    | 80% - 120%        |
| Chromium | 0.500          | 0.022 | 0.521    | 99.8%    | 80% - 120%        |
| Lead     | 0.500          | 0.031 | 0.530    | 99.8%    | 80% - 120%        |
| Mercury  | 0.050          | ND    | 0.049    | 98.0%    | 80% - 120%        |
| Selenium | 0.500          | 0.037 | 0.535    | 99.6%    | 80% - 120%        |
| Silver   | 0.500          | 0.016 | 0.515    | 99.8%    | 80% - 120%        |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples G810 - G811 and G836.

Analyst

Review

## **CHAIN OF CUSTODY RECORD**

| Client / Project Name Halli Burtow E | lient / Project Name Project Location Halli Burton Energy Sarvices France |                |            | Project Location 4109 E Hala Family ton, Dec |                       | ANALYSIS / PARAMETERS                        |                      |                |      |                   |              | AMETERS        |                 |               |               |              |                  |
|--------------------------------------|---------------------------------------------------------------------------|----------------|------------|----------------------------------------------|-----------------------|----------------------------------------------|----------------------|----------------|------|-------------------|--------------|----------------|-----------------|---------------|---------------|--------------|------------------|
| Sampler:                             |                                                                           |                | Client No. |                                              |                       |                                              | y)                   | 4              | Ţ    |                   |              | T              |                 | Re            | marks         |              |                  |
| Harban M.                            | Brown                                                                     | )              | 921        | 32-01                                        |                       |                                              | No. of<br>ontainen   | 3 ±            |      |                   |              | į              |                 |               |               |              |                  |
| Sample No./<br>Identification        | Sample<br>Date                                                            | Sample<br>Time | Lab Number |                                              | Sample<br>Matrix      |                                              | No. of<br>Containers | 15.00<br>50 FA |      |                   |              |                |                 |               |               |              | <del></del> -    |
| work Bay                             | 02.10.60                                                                  |                | G811       | 5                                            | 5 luly =              |                                              | 1                    |                |      |                   |              |                |                 |               |               |              |                  |
| J                                    |                                                                           |                |            |                                              |                       |                                              |                      |                |      |                   |              |                |                 | <del></del>   |               |              |                  |
|                                      |                                                                           |                |            |                                              |                       |                                              |                      |                |      |                   | -            |                |                 |               |               |              |                  |
|                                      |                                                                           |                |            |                                              |                       |                                              | <del></del>          |                |      |                   | -            |                |                 |               |               |              |                  |
|                                      |                                                                           |                |            |                                              |                       |                                              | · .                  |                |      | -                 | -            |                |                 | <del></del> - |               |              |                  |
|                                      |                                                                           |                |            |                                              |                       |                                              |                      |                |      |                   | -            | -              |                 |               |               |              |                  |
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|                                      |                                                                           |                |            |                                              |                       |                                              | <del></del>          |                |      |                   | <del> </del> | <del> </del>   |                 | <del>,</del>  |               |              |                  |
|                                      |                                                                           |                |            |                                              | <del></del>           |                                              |                      |                |      |                   | <del> </del> | <del> </del>   |                 |               |               |              |                  |
| Relinquished by: (Signa              | ature)                                                                    |                |            | Date                                         | Time                  | Receiv                                       | ed by:               | (Signatu       | ire) | $\overline{\cap}$ | ſ            | - <del>1</del> | L               | 1             | ate           | 1            | me               |
| Relinquished by: (Signa              |                                                                           |                |            | 02.10.00                                     | 10:05                 | Receiv                                       | ved by:              | (Signatu       | re)  | Y                 | eu           | <u> </u>       |                 | 2.1           | الان ه        | 10           | :01 ⁻ |
|                                      | · · · · · · · · · · · · · · · · · · ·                                     |                |            | <del> </del>                                 |                       | <u>                                     </u> |                      |                |      |                   |              | <del></del>    | ·               |               |               | ļ            |                  |
| Retinquished by: (Signa              | ature)                                                                    |                |            |                                              |                       | Receiv                                       | vied by:             | (Signatu       | ire) |                   |              |                |                 |               |               |              |                  |
|                                      |                                                                           |                |            | ENY                                          | IRO                   | TE(                                          | CH                   | In             | C    |                   |              |                | Sam             | ple Re        | eceipt        | <del>!</del> |                  |
|                                      |                                                                           |                |            |                                              |                       |                                              |                      |                |      |                   |              |                |                 |               | Υ             | N            | NA               |
|                                      |                                                                           |                |            |                                              | 5796 U.S<br>ington, N |                                              |                      |                | 1    |                   |              |                | Received Inta   | ıct           | -             |              |                  |
|                                      |                                                                           |                |            |                                              | (505)                 |                                              |                      |                |      |                   |              |                | Cool - Ice/Blue | Ice           | 4             |              |                  |

District I - (505) 393-6161 185bs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 r''-urict III - (505) 334-6178

Rio Brazos Road

District IV - (505) 827-7131

nanc, NM 87410

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopv to appropriate District Office

Env. JN: 97057-

| <ul><li>(1) (大きの)が、側面を しゅを体を下去して Note 14インションドで 202種 年による「大事業」をは、2014年に、「子子」 1 (1) (2) (2) (2) (2) (2)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.7 March 16 Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commission Commissio |  |  |  |  |  |
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| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |
| 1. RCRA Exempt: Non-Exempt: Donn Fou 57  5.21.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4. Generator FPFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |
| Verbal Approval Received: Yes V No No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5. Originating Site Lateral ZC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter EPFS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State New Hospico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sec6, TZGN, RIOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |
| 9. <u>Circle One</u> :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompressed the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | empanied by necessary chemical analysis to n of origin. No waste classified hazardous by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:  Soil contaminated by Produced Water  On On On One  On On One  On One of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contamination of the Contam |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |
| Estimated Volume cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | erator at the end of the haul) — /2 O cy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TELI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATE: 8.2(.03 EPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |
| APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: TITLE: Greater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0915 DATE: 8-22-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |

Denve toust Verbal 8.21.00 10:35

## **CERTIFICATE OF WASTE STATUS**

| Generator Name and Address:                                                         | 2. Destination Name:                                         |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|--|--|--|--|--|--|--|--|
| El Paso l'icld Services Co.                                                         | Envirotech Soil Remediation Facility                         |  |  |  |  |  |  |  |  |
| 614 Reilly Avenuc                                                                   | Landfarm #2                                                  |  |  |  |  |  |  |  |  |
| Farmington, NM 87401                                                                | Hilltop, New Mexico                                          |  |  |  |  |  |  |  |  |
| 3. Originating Site (name):                                                         | Location of Waste(Street address &/or ULSTR):                |  |  |  |  |  |  |  |  |
| Lateral 2-C                                                                         | Section 6, T26N, R10W                                        |  |  |  |  |  |  |  |  |
| Attach list of originating sites as appropriate  4. Source and Description of Waste |                                                              |  |  |  |  |  |  |  |  |
| Soil contaminated with produced water from a line                                   | leak on Lateral 2-C                                          |  |  |  |  |  |  |  |  |
| our contaminated with produced water holl a line                                    | IGAN OIT Lateral 2-0                                         |  |  |  |  |  |  |  |  |
|                                                                                     |                                                              |  |  |  |  |  |  |  |  |
| ı, David Bays                                                                       | representative for:                                          |  |  |  |  |  |  |  |  |
| (Print Name)                                                                        |                                                              |  |  |  |  |  |  |  |  |
| El Paso Field Services                                                              | Co. do hereby certify that,                                  |  |  |  |  |  |  |  |  |
| according to the Resource Conservation and Reco                                     | overy Act (RCRA) and Environmental Protection Agency's July, |  |  |  |  |  |  |  |  |
|                                                                                     | NON-EXEMPT oilfield waste which is non-hazardous by          |  |  |  |  |  |  |  |  |
| X EXEMPT Oilfield waste                                                             | characteristic analysis or by product identification         |  |  |  |  |  |  |  |  |
| and that nothing has been added to the exempt or                                    | non-hazardous waste defined above.                           |  |  |  |  |  |  |  |  |
| For NON-EXEMPT waste only, the following documents                                  | mentation is attached (check appropriate items):             |  |  |  |  |  |  |  |  |
| MSDS Information Other (description) RCRA Hazardous Waste Analysis Chain of Custody |                                                              |  |  |  |  |  |  |  |  |
| Name (Original Signature):                                                          | l Baye                                                       |  |  |  |  |  |  |  |  |
| Title: Principal E                                                                  | invironmental Scientist                                      |  |  |  |  |  |  |  |  |
| Date: August 21                                                                     | e: August 21, 2000                                           |  |  |  |  |  |  |  |  |

District I - (505) 393-6161 P. S. Box 1980 Hobbs, NN 488241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Pi-trict III - (505) 334-6178

Rio Brazos Road

District IV - (505) 827-7131

مـدc. NM 87410

Energy .

New Mexico nerals and Natural Resources Expartment
Oil Conservation Division Allfi 2 1 2000

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

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Submit Original

Form C-138

Originated 8/8/95

Environmental Bureau Oil Conservation Division

Env. JN: 92132

Plus I Copy to appropriate District Office

|     | REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                             | SOLID WASTE                                                                              |  |  |  |  |  |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--|--|--|--|--|
| 1.  | RCRA Exempt: Non-Exempt: T:26.00 161.00.                                                                                                                                                                                                                                                                                                                                                                                   | Hackiburtan Energy S. 4. Generator                                                       |  |  |  |  |  |
|     | Verbal Approval Received: Yes 🗵 No 🔲                                                                                                                                                                                                                                                                                                                                                                                       | 5. Originating Site Forest Road 312 Truck decident                                       |  |  |  |  |  |
| 2.  | Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                              | 6. Transporter Exultatech                                                                |  |  |  |  |  |
| 3.  | Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                       | 8. State Now Mexico                                                                      |  |  |  |  |  |
| 7.  | Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                             | Stat, See 17 730N, Ryw<br>Ris Arribba County.                                            |  |  |  |  |  |
| 9.  | Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                | Ris Arribba County.                                                                      |  |  |  |  |  |
|     | <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accommon PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |  |  |  |  |  |
| BR  | NEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |  |  |  |  |  |
| Est | Clean up of diesel, Awti frequencial & Hydronica oil at a vahicle accident  AUG 2000  RECEIVED  AUG 2000  RECEIVED  OLCON, BIV  DIST. 3  Estimated Volume — cy Known Volume (to be entered by the operator at the end of the haul) — cy                                                                                                                                                                                    |                                                                                          |  |  |  |  |  |
|     | GNATURE: Harlan M. Brown  PE OR PRINT NAME: Harlan M. Brown  TITLE: Landfarm M. Brown  TEL                                                                                                                                                                                                                                                                                                                                 | <u>DATE: 5 18 00</u><br>EPHONE NO. 505-632-0615                                          |  |  |  |  |  |
|     | This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                          |  |  |  |  |  |
| Al  | PPROVED BY: Derry Frank TITLE: GOO!                                                                                                                                                                                                                                                                                                                                                                                        | 09/5 DATE: 8/18/00                                                                       |  |  |  |  |  |

Diatrict I - (505) 393-6161 P.O. Box 1980 Hobbs, NM 88241-1980 Diatrict II - (505) 748-1283 811 S. First Artesia, NM 88210 Pinter III - (505) 334-6178

## New Mexico Energy Munerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street

Originated 8/8/95

Form C-138

Submit Original Plus I Copy priate Office

| Rio Brazos Road c, NM 87410  District IV - (505) 827-7131                                                                                           | Santa Fe, New Mexico 87505<br>(505) 827-7131 | Env. JN: 92132                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------|
| REQUEST FO                                                                                                                                          | R APPROVAL TO ACCEPT                         | SOLID WASTE                                        |
| 1. RCRA Exempt: Non-Exempt:                                                                                                                         | Donny Foest<br>7:26.00<br>16:00.             | 4. Generator                                       |
| Verbal Approval Received: Yes [2                                                                                                                    |                                              | 5. Originating Site Forest Road 317 Truck Accident |
| 2. Management Facility Destination Facility                                                                                                         | rotech Soil Remedia.<br>acility Landfarm #2  | 6. Transporter Exulvatech                          |
|                                                                                                                                                     | US Highway 64<br>ngton, NM 87401             | 8. State Now Meskico                               |
| 7. Location of Material (Street Address or t                                                                                                        | JLSTR)                                       | SE4, See 17 730N, RYW<br>Ris Arribba County.       |
| 9. Circle One:                                                                                                                                      | ; · · · · · · · · · · · · · · · · · · ·      | Ris Arribba County.                                |
| PROVE the material is not-hazardou listing or testing will be approved.  All transporters must certify the wastes do BRIEF DESCRIPTION OF MATERIAL: | is and the Generator's certification         | I for transport.                                   |
| Estimated Volume                                                                                                                                    | un.                                          |                                                    |
|                                                                                                                                                     |                                              |                                                    |

| (This space for S | State Use) |      |         |           |               |
|-------------------|------------|------|---------|-----------|---------------|
| APPROVED BY:_     | Dens       | tour | TITLE:  | Geolosist | DATE: 8/18/02 |
|                   |            |      |         | 7.,       | 777           |
| APPROVED BY:_     |            |      | TITLE:_ |           | DATE:         |



## NEW MIEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT DEFICE 1000 BIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 [306] 334-6178 FAB [305]334-6178

GARY E. JOHNSON GOVERNOR

1. Generator Name and Address:

HACLIBURION ENERGY Services

JENNIFER A. SALISBURY
CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

2. Destination Name:

Envirotech Inc.

| Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico                                                                                                                                                          |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Farm 12 Due 8 (401) 5796 IIS Hwy 64 Farmington NM 87401                                                                                                                                                                         | ]    |
| 3. Originating Site (Aame): Location of the Waste (Street address &/or ULSTR):                                                                                                                                                  | .    |
| Forest Road 312                                                                                                                                                                                                                 | 1    |
| SE4, SEC Z7, TBON, R 4W  Rto Arriba Country, NM,  Attach list of originating sites as appropriate ().                                                                                                                           |      |
| Arrest lies of existing sizes as appropriate ()                                                                                                                                                                                 |      |
| 4. Source and Description of Waste                                                                                                                                                                                              | -    |
| Clean up of vehicle highids (Diesel, Hyproulie Oil, and oil, & Awri Freeze) at a truck accident.                                                                                                                                | 1    |
| representative for:  (Print Name)  HAUZBURG ENERGY SERVICE do hereby certify the according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July 19                                   | oat, |
| 1988, regulatory determination, the above described waste is: (Check appropriate classification)  EXEMPT oilfield waste  NON-EXEMPT oilfield waste which is non-hazardous by characterist analysis or by product identification | •    |
| and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.                                                                                                                                  |      |
| For NON-EXEMPT waste the following documentation is attached (check appropriate items):  MSDS Information RCRA Hazardous Waste Analysis Chain of Custody                                                                        |      |
| his waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursua<br>o 20 NMAC 3.1 subpart 1403.C and D.                                                                               | nt   |
| lame (Original Signature): ROBERI SMEM                                                                                                                                                                                          |      |
| itle: LISE AINZLOR                                                                                                                                                                                                              |      |
| ate: 8-14-00                                                                                                                                                                                                                    |      |
|                                                                                                                                                                                                                                 |      |



## SUSPECTED HAZARDOUS WASTE ANALYSIS

| Client:    |  |
|------------|--|
| Sample ID: |  |

Halliburton Energy Serv.

Project #:

213209

Sample ID

Stockpile H848 Date Reported:

08-03-00

Lab ID#:

Soil

Date Sampled:

08-02-00

Sample Matrix:

Cool

Date Received:

08-03-00

Preservative: Condition:

Cool

Date Analyzed:

08-03-00

Cool and Intact

Chain of Custody:

8099

**Parameter** 

Result

**IGNITABILITY**:

Negative

**CORROSIVITY:** 

Negative

pH = 7.10

**REACTIVITY:** 

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

Forest Rd 312.

Diesel, Anti-Freeze, Used Oil Contaminated Soil.

Analyst

Pristing Walters



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

| Client:            | Halliburton Energy Serv. | Project #:       | 213209      |
|--------------------|--------------------------|------------------|-------------|
| Sample ID:         | Stockpile                | Date Reported:   | 08-04-00    |
| Laboratory Number: | H848                     | Date Sampled:    | 08-02-00    |
| Chain of Custody:  | 8099                     | Date Received:   | 08-03-00    |
| Sample Matrix:     | Soil                     | Date Analyzed:   | 08-04-00    |
| Preservative:      | Cool                     | Date Extracted:  | 08-03-00    |
| Condition:         | Cool & Intact            | Analysis Needed: | TCLP metals |
|                    |                          |                  |             |

|           | Concentration | Det.<br>Limit | Regulatory<br>Level |
|-----------|---------------|---------------|---------------------|
| Parameter | (mg/L)        | (mg/L)        | (mg/L)              |
|           |               |               |                     |
| Arsenic   | 0.113         | 0.001         | 5.0                 |
| Barium    | 0.924         | 0.001         | 100                 |
| Cadmium   | 0.088         | 0.001         | 1.0                 |
| Chromium  | 0.082         | 0.001         | 5.0                 |
| Lead      | 0.184         | 0.001         | 5.0                 |
| Mercury   | ND            | 0.001         | 0.2                 |
| Selenium  | 0.027         | 0.001         | 1.0                 |
| Silver    | 0.204         | 0.001         | 5.0                 |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA,

December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission

SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Forest Rd 312.

Diesel, Anti-Freeze, Used Oil Contaminated Soil.

Analyst

/ hristini m Walters



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

| . Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition: | QA/QC<br>08-04-TCM QA/QC<br>H848<br>TCLP Extract<br>TCLP Metals<br>N/A | Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted: | N/A<br>08-04-00<br>N/A<br>N/A<br>08-04-00<br>N/A |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------|
| Condition:                                                                            | N/A                                                                    | Date Extracted:                                                                       | N/A                                              |
|                                                                                       |                                                                        |                                                                                       |                                                  |

| Blank & Duplicate Conc. (mg/L) | Instrument<br>Blank | Method<br>Blank | Detection Limit |       | a Duplicate | e %<br>□ Diff. | Acceptance<br>Range |
|--------------------------------|---------------------|-----------------|-----------------|-------|-------------|----------------|---------------------|
| Arsenic                        | ND                  | ND              | 0.001           | 0.113 | 0.112       | 0.9%           | 0% - 30%            |
| Barium                         | ND                  | ND              | 0.001           | 0.924 | 0.926       | 0.2%           | 0% - 30%            |
| Cadmium                        | ND                  | ND              | 0.001           | 0.088 | 0.087       | 1.1%           | 0% - 30%            |
| Chromium                       | ND                  | ND              | 0.001           | 0.082 | 0.082       | 0.0%           | 0% - 30%            |
| Lead                           | ND                  | ND              | 0.001           | 0.184 | 0.182       | 1.1%           | 0% - 30%            |
| Mercury                        | ND                  | ND              | 0.001           | ND    | ND          | 0.0%           | 0% - 30%            |
| Selenium                       | ND                  | ND              | 0.001           | 0.027 | 0.027       | 0.0%           | 0% - 30%            |
| Silver                         | ND                  | ND              | 0.001           | 0.204 | 0.202       | 1.0%           | 0% - 30%            |

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| % |
|   |

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,

SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,

SW-846, USEPA, December 1996.

Comments:

QA/QC for sample H848.

halyst

Review Mustum My Wasters

## CHA N OF C JSTODY RECOR )

08099

| Client / Project Name         | - E\-          |                | Project Location | est RD 312                      |                      | -       |           | ANAL        | 'SIS / PAR         | IAMETERS                |          | <del></del> | ··           |
|-------------------------------|----------------|----------------|------------------|---------------------------------|----------------------|---------|-----------|-------------|--------------------|-------------------------|----------|-------------|--------------|
| HALL'BUT                      |                |                | Client No.       |                                 | Sis                  | 4 4     | <b>4</b>  |             |                    |                         | Remark   | ks          |              |
| HARLAN                        | m. Oros        | <u>らり</u>      | 121              | 32.09                           | No. of<br>Containers | 178     | \$ 17     |             |                    |                         |          |             |              |
| Sample No./<br>Identification | Sample<br>Date | Sample<br>Time | Lab Number       | Sample<br>Matrix                | Z o                  | 1-2     | Ž         |             |                    |                         |          |             |              |
| Stockpile                     | 8.2.00         | 15:15          | H848             | Soil                            | 1                    | ~       |           |             |                    | Diesel<br>USEO:<br>Scil | dar.     | (.F         | برهة         |
|                               |                |                |                  |                                 |                      |         |           |             |                    | 5c() (                  |          |             |              |
|                               |                |                |                  |                                 |                      |         |           | .,          |                    |                         |          |             |              |
|                               |                |                |                  |                                 | <u> </u>             |         |           |             |                    |                         |          |             |              |
|                               | .              |                | <u> </u>         |                                 |                      |         |           |             |                    |                         | <u> </u> |             |              |
|                               |                | ļ              |                  |                                 |                      |         |           |             |                    |                         |          |             |              |
|                               |                |                |                  |                                 |                      |         |           |             |                    |                         |          |             |              |
|                               |                |                |                  |                                 |                      |         |           |             |                    |                         | <u></u>  |             |              |
|                               |                | ļ              |                  |                                 |                      | ļ       |           |             |                    |                         |          |             |              |
|                               |                |                |                  |                                 |                      |         |           |             |                    |                         |          |             |              |
| Relinquished by: (Sign        | ature)         |                |                  | Date Time Red                   | eived by:            | (Signat | ure)      | 0,1         |                    | , and the second        | Date     | ì           | Time<br>3:11 |
| Relinquished by: (Sign        |                |                |                  | Rec                             | eived by:            | (Signat | ure)      | y           |                    |                         |          |             |              |
| Relinquished by: (Sign        | nature)        | <u></u>        |                  | Rec                             | ceived by            | (Signat | ure)      |             |                    |                         |          |             |              |
|                               |                |                |                  |                                 |                      |         |           | <del></del> |                    |                         |          |             |              |
|                               |                |                |                  | ENVIROTE                        | CH                   |         | <u>C.</u> |             |                    | Sample                  | <u> </u> | ·<br>       | <del></del>  |
|                               |                |                |                  | 5796 U.S. H                     |                      |         |           |             |                    |                         |          | Y           | N N/         |
|                               |                |                |                  | 5796 U.S. Hi<br>Farmington, New |                      |         | 01        |             |                    | Received Intact         |          | 1           | _            |
|                               |                |                |                  | 2-0615                          |                      |         |           |             | Cool - Ice/Blue Id | е                       |          |             |              |

District I - (505) 393-6161 P. O. dox 1990 Hobbs, NM 98241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P1-trict III - (505) 334-6178

7 Rio Brazos Road

District IV - (505) 827-7131

_c, NM 87410

Energy

New Mexico ierals and Natural Resources Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

RECEIVED partment AUG 2 3 2000

Submit Original Plus I Copy to appropriate District Office

Form C-138

Originated 8/8/95

Oil Conservation Division

Environmental Bureau

Env. JN: 98065-04

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                              | SOLID WASTE                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1. RCRA Exempt: Non-Exempt: 🔀                                                                                                                                                                                                                                                                                                                                                                                               | 4. Generator Services                                                                    |
| Verbal Approval Received: Yes 🔲 No 🔀                                                                                                                                                                                                                                                                                                                                                                                        | 5. Originating Site Main Cond                                                            |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                            | 6. Transporter ENURofeely                                                                |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                     | 8. State New Marico                                                                      |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                           | 5651 U.S. Huy 64                                                                         |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                              | FARMINGTON, NE 87408                                                                     |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accommon Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompressed to the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                              | 15 COLOR 20 C/ 23                                                                        |
| Clean diegrel spill in main yard  AUG 2000  CLEON ON STORY  OT. 3                                                                                                                                                                                                                                                                                                                                                           | AUG 2000 RECEIVED OIL CON. DIV DIST. 3                                                   |
| Estimated Volume Co cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                               | erator at the end of the haul) cy                                                        |
| SIGNATURE: Harlan M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                                                                                        | DATE: 8-(8-00)  EPHONE NO. 505-632-0615                                                  |
| (This was for Chate Hoo)                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                          |
| APPROVED BY: Deny Terny TITLE: Geel                                                                                                                                                                                                                                                                                                                                                                                         | 0915 DATE: 8/27/00                                                                       |
| APPROVED BY: Martin ofing                                                                                                                                                                                                                                                                                                                                                                                                   | matal Geologist DATE: 8-23-00                                                            |

<u>District I - (505) 393-6161</u> P.O. Box 1980 HobbiaNM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P vict III - (505) 334-6178

## New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

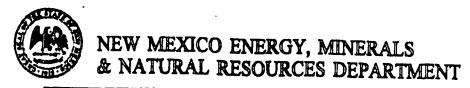
2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

| ) Rio Brazos Road                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| c, NM 87410 عند ـ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| strict IY - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| · 1011年 · 1017年 · 17年 · 中央 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · 186 · | Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Commen |

| strict IV - (505) 827-7131                                                                                                                                                                                                                                                                                                                                                                                                            | Env. JN: 48065-64                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                        | SOLID WASTE                                                                              |
| 1. RCRA Exempt: Non-Exempt: 1                                                                                                                                                                                                                                                                                                                                                                                                         | 4. Generator Services  5. Originating Site                                               |
| Verbal Approval Received: Yes No 🔀                                                                                                                                                                                                                                                                                                                                                                                                    | 5. Originating Site Main Your                                                            |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                      | 6. Transporter EDURG tech                                                                |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                               | 8. State New Maxico                                                                      |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                     | 5651 U.S. Hwy 64                                                                         |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                        | FARMINGTON, NE 87408                                                                     |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted acceptance; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accepted.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> </ul> | ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                        | io nanoport                                                                              |
| Estimated Volume — 10 y cy Known Volume (to be entered by the open                                                                                                                                                                                                                                                                                                                                                                    | erator at the end of the haul) ————————————————————————————————————                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm M. Brown  TYPE OR PRINT NAME: Harlan M. Brown  TEL                                                                                                                                                                                                                                                                                                                                        | <u>Anager</u> DATE: <u>S (8 ⋅ 0 0</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                    |
| (This space for State Use)  APPROVED BY: Jeny Feet TITLE: GEOLE                                                                                                                                                                                                                                                                                                                                                                       | DATE: 8/22/00                                                                            |
| APPROVED BY: TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                   | DATE: 7                                                                                  |



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (808) 334-6178 FAX (805)324-6171

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:                                                            | 2. Destination Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Key Energy Services, Inc.                                                                 | Envirotech Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Four Corners Division                                                                     | Soil Remediation Remediation Facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5651 US Highway 64                                                                        | Landfarm #2, Hilltop, New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Farmington, NM 84701                                                                      | 5796 US Highway 64, Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>3</b> , .                                                                              | growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growing and growin |
| 3. Originating Site: (name):                                                              | Location of the Waste (Street Address &/or ULSTR):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Key Energy Services                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Farmington Facility                                                                       | 36 42.14 North                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 5651 US Highway 64                                                                        | 108 06.79 West                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Farmington, NM 87401                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (Attach list of origination sites as appropriate)                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4. Source and Description of Waste                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Contaminated dirt from a diesel fuel spill inside of our y                                | ard. A tank that was leased to customer was stored                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| in Key's yard for a few days. Key provided supervision                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Agency's July 1988, regulatory determination, the abov (Check appropriate classification) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| EXEMPT oilfield wasteX                                                                    | NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| and that nothing has been added to the exempt or non-                                     | exempt non-hazardous waste defined above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| For NON-EXEMPT waste only the following documenta                                         | ation is attached (check appropriate items):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| X MSDS Information                                                                        | Other (description):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RCRA Hazardous Waste Analysis                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| X Chain of Custody                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| - Old P                                                                                   | ( ) an                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Name (Original Signature):                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Title: Farmington Shop Manage                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Date: August 18, 200                                                                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

No. 2 Diesel Fuel

GASC0220

Revised 2-MAR-1999

Material Identification

CAS Number

: 68476-34-6

# Tradenames and Synonyms

Diesel Fuel No. 2, Low Sulfur Diesel Fuel No. 2, High Sulfur

Company Identification

MANUFACTURER/DISTRIBUTOR

Conoco, Inc. P.O. Box 2197 Houston, TX 77252

PHONE NUMBERS

Product Information: 1-281-293-5550

Transport Emergency : CHEMTREC 1-800-424-9300

Medical Emergency: 1-800-441-3637

2. COMPOSITION/INFORMATION ON INGREDIENTS

# Components

Material DIESEL FUEL, NO. 2

CAS Number % 68476-34-6 100

Petroleum distillate standard applies.

3. HAZARDS IDENTIFICATION

Potential Health Effects

Primary Routes of Entry: Skin, inhalation

The product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure. Extreme overexposure or aspiration into the lungs may cause lung damage or death. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater overexposure may cause dizziness, slurred speech, flushed face, unconsciousness, and convulsions.

Combustion Product - Carbon Monoxide:

Carbon monoxide decreases the ability of the blood to carry oxygen.

Inhalation may cause headache, nausea, rapid respirations, vomiting, dizziness, confusion, impaired judgement, personality changes, memory impairment, weakness, shortness of breath, unconsciousness, convulsions and death if not treated. It may cause chest pains in persons with heart disease. Carbon monixde



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.poisoning can cause pal (whiteness) or cyanosis (blur s) of the skin and extremities

High exposures to carbon monoxide may cause heart irregularities.

Carbon monoxide may adversely affect the unborn babies of pregnant women.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

### 4. FIRST AID MEASURES

## First Aid

#### INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### SKIN CONTACT

Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

#### EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

#### INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

## Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

### 5. FIRE FIGHTING MEASURES

#### Flammable Properties

Flash Point : 130 F (54 C)

Method : TCC

Flammable limits in Air, % by Volume

LEL : 0.4 UEL : 6

Autoignition : 494 F (257 C)

Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

NFPA Classification : Class II Combustible Liquid.

#### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

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## Fire Fighting Instructions

Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop a leak. Water spray may be used to flush spills away from sources of potential ignition.

Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

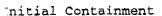
## 6. ACCIDENTAL RELEASE MEASURES

#### Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Remove source of heat, sparks, flame, impact, friction and electricity including internal combustion engines and power tools. If equipment is used for spill cleanup, it must be explosion proof and suitable for flammable liquid and vapor.

 $\ensuremath{\mathsf{NOTE}}\xspace$  . Vapors released from the spill may create an explosive atmosphere.



Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material.

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## 7. HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Wash thoroughly after handling. Wash clothing after use.

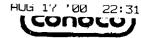
Handling (Physical Aspects)

Ground container when pouring. Keep away from heat, sparks and flames. Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of fire.



#### Storage

Store in a well ventilated place. Keep container tightly closed. Store in accordance with National Fire Protection Association recommendations. Store away from heat, sparks and flames, oxidizers.



#### Engineering Controls

Use only with adequate ventilation. Keep container tightly closed.

#### Personal Protective Equipment

#### RESPIRATORY PROTECTION .

Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Select appropriate NIOSH-approved respiratory protuction where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.



#### PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

#### EYE PROTECTION

Safety glasses with side shields. Chemical splash goggles or face shield for spray/mists or if splashing can occur.

#### OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

#### Exposure Guidelines

#### Applicable Exposure Limits

Petroleum distillate standard applies.

PEL (OSHA) : 500 ppm, 2000 mg/m3, 8 Hr. TWA

TLV (ACGIH) : None Established

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical Data

Boiling Point : 350-690 F (177-366 C) Vapor Pressure : 1 mm Hg @ 68 F (20 C)

Vapor Density : >1 (Air=1.0)

% Volatiles : Nil

Solubility in Water : Insoluble Odor : Aromatic. Form : Liquid.

Color : '

Specific Gravity : 0.84-0.88 @ 60 F (16 C) )

*Color : Red or Undyed (Clear or Straw-Colored)

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#### 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable at normal temperatures and storage conditions.

#### Conditions to Avoid

Heat, sparks, and flames.

, Incompatibility with Other :erials

Incompatible or can react with strong oxidizers.

Decomposition

Carbon monoxide may be formed from incomplete combustion.

Polymerization

Polymerization will not occur.

#### 11. TOXICOLOGICAL INFORMATION

#### Animal Data

Animal studies have shown that prolonged or repeated inhalation exposures to high concentrations of some petroleum distillates have caused liver tumors in mice and kidney damage and tumors in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Present studies indicate the kidney effects will only occur in male rats. Also, human studies do not indicate this peculiar sensitivity for kidney damage and studies reported in 1992 showed that this particular type of rat kidney damage is not useful in predicting a human health hazard. The significance of liver tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

Mouse skin painting studies have shown that petroleum middle distillates (boiling range 100-700 F; naphtha, jet fuel, diesel fuel, kerosene, etc.) can cause skin cancer when repeatedly applied and never washed from the animal's skin. The relative significance of this to human health is uncertain since the petroleum distillates were not washed from the skin and resulting skin effects (irritation, cell damage, etc.) may play a role in the tumorigenic response. A few studies have shown that washing the animal's skin with soap and water between treatments greatly reduces the carcinogenic effect of some petroleum oils. Other laboratory studies indicate that middle distillates caused the skin tumors by promoting, rather than initiating, the formation of tumors, so the effect is probably dose-related and low level exposure should not be carcinogenic.

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lungs and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.

Acute toxicity data from studies supported by the American Petroleum Institute with a generic #2 fuel oil sample:

Oral, LD50 (rats) : 7-21 mL/kg Skin, LD50 (rabbits) : >5 mL/kg

Skin Irritation (rabbits: index, 0-8): 3-4
Eye Irritation (rabbits: index, 0-110): 1

Skin Sensitization (guinea pigs) : Non-sensitizing

#### 12. ECOLOGICAL INFORMATION

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. No specific aquatic data available for this product.

#### DISPOSAL CONSIDERATIONS

#### Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

By itself, the liquid is expected to be a RCRA ignitable hazardous waste.

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe

#### 14, TRANSPORTATION INFORMATION

#### Shipping Information

DOT

Proper Shipping Name : Diesel fuel
Hazard Class : Combustible liquid
I.D. No. (UN/NA) : NA1993
Packing Group : III

DOT Label(s) : None

DOT Placard : Combustible

#### ICAO/IMO

Proper Shipping Name : Gas Oil

Hazard Class

: 3

UN/NA Number Packing Group : UN1202

Label

: III

: Flammable liquid : Flammable

#### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

#### OSHA HAZARD DETERMINATION

This material is hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

#### CERCLA/SUPERFUND

Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304

This material is not known to contain extremely hazardous substances.



AUG 17 '00 22:32

SARA, TITLE III, 311/ 31

Acute : Yes Chronic : Yes Fire : Yes Reactivity : No Pressure : No

SARA, TITLE III, 313

This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements.

#### TSCA

This material is in the TSCA Inventory of Chemical Substances (40 CFR 710) and/or is otherwise in compliance with TSCA.

#### RCRA

This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it meets criteria for being ignitable according to U. S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262-266 and 268 may apply.

#### CLEAN WATER ACT

The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802).

Ingredient

: Petroleum Hydrocarbons.

Reportable Quantity

: Film or sheen upon or discoloration of

any water surface.

#### State Regulations (U.S.)

CALIFORNIA "PROP 65"

This material is not known to contain any ingredient(s) subject to the Act.

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT
This material may contain the following ingredient(s) subject to
the Pennsylvania Worker and Community Right to Know Hazardous
Substances List.

Ingredient

: Diesel Fuel Oil

Category

: Hazardous Substance.

#### Canadian Regulations

CLASS B Division 3 - Combustible Liquid. CLASS D Division 2 Subdivision B - Toxic Material. Chronic Toxic Effects.

#### 16. OTHER INFORMATION

# NFPA, NPCA-HMIS

NFPA Rating

Health : 0
Flammability : 2
Reactivity : 0

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707 P08

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.NPCA-HMIS Rating

Héalth

Flammability : 2
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS : MSDS Coordinator

Conoco Inc.

Address : PO Box 2197

Houston, TX 77252

Telephone : 1-281-293-4386

# Indicates updated section.

End of MSDS











#### SUSPECTED HAZARDOUS **WASTE ANALYSIS**

Client: Sample ID:

Lab ID#:

Sample Matrix: Preservative:

Condition:

Key Energy

Yard Stockpile H993

Soil Cool

Cool and Intact

Project #:

Date Reported:

Date Sampled: Date Received:

Date Analyzed:

Chain of Custody:

806504

08-18-00

08-17-00

08-18-00 08-18-00

8121

**Parameter** 

Result

**IGNITABILITY:** 

**Negative** 

**CORROSIVITY:** 

Negative

pH = 7.27

REACTIVITY:

Negative

RCRA Hazardous Waste Criteria

Parameter

Hazardous Waste Criterion

**IGNITABILITY:** 

Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY:

Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.

(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY:

Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation

of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

Reference:

40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:

Diesel Spill Cleanup. 5651 Hwy 64

hristini of Walters

| Client / Project Name                       |                |                | Project Location | <u> </u>                | <del></del> -           | <del></del> |                       |    |                                       |         |          |                |              |            |                  |       |
|---------------------------------------------|----------------|----------------|------------------|-------------------------|-------------------------|-------------|-----------------------|----|---------------------------------------|---------|----------|----------------|--------------|------------|------------------|-------|
| KEY Eweray                                  |                |                | 5651 Awy 64      |                         |                         |             | ANALYSIS / PARAMETERS |    |                                       |         |          |                |              |            |                  |       |
| Sampler: Client No.                         |                |                | Client No.       |                         | <u></u>                 | y.          | 41                    |    |                                       |         |          |                | Re           | emarks     |                  |       |
| Niel Wisterton                              |                |                | 806504           |                         | No. of                  | RCRA        | 1                     |    |                                       |         | ,        |                |              |            |                  |       |
| Sample No./<br>Identification               | Sample<br>Date | Sample<br>Time | Lab Number       |                         | Sample<br>Matrix        | Z           | W.                    |    |                                       |         |          |                |              |            |                  |       |
| YARDStalpile                                | 8.17.00        | 14:55          | H993             | S                       | oil                     | i           | V                     |    |                                       |         |          |                | Diesel<br>Cl | Spi<br>ean | رر<br>س <u>ب</u> |       |
|                                             | -              |                |                  |                         |                         |             |                       |    |                                       |         |          |                |              | <u>-</u>   | •                | i     |
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|                                             |                |                |                  |                         |                         |             |                       |    | _                                     |         |          |                |              |            |                  |       |
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|                                             | ļ              |                |                  |                         |                         |             |                       |    |                                       |         |          |                |              |            |                  |       |
|                                             |                |                |                  |                         | . <u>-</u>              |             | -                     | ļ  | -                                     |         |          |                |              |            |                  |       |
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|                                             | <u> </u>       |                |                  |                         |                         |             |                       |    |                                       |         |          |                |              |            |                  |       |
| Relinquished by: (Signature)  Halangu Brown |                |                | Date 8 18 00     | Time                    | Received by             | : \Signatu  | ıre)                  | 2. | 0                                     | <i></i> | <b>-</b> | i              | Date<br>7801 | 1          | me<br>≳a         |       |
| Relinquished by: (Signature)                |                |                | 0 (800           | 0.30                    | Received by             | : (Signati  | ıre)                  |    | Y                                     |         |          |                |              |            |                  |       |
| Relinquished by: (Signature)                |                |                |                  |                         | Received by             | : (Signati  | ıre)                  |    |                                       |         |          |                |              |            |                  |       |
|                                             |                |                |                  |                         |                         |             |                       |    | · · · · · · · · · · · · · · · · · · · |         |          | <b>.</b>       |              |            |                  |       |
|                                             |                |                |                  | ENV                     | IRO                     | TECH        |                       | C. |                                       |         |          |                | Sample F     | eceipt     |                  |       |
|                                             |                |                |                  | N. Les D.               | 4 7 4 4 2 4 3           |             |                       |    |                                       |         |          |                |              | Υ          | N                | N/A   |
|                                             |                |                |                  | 6. Highway<br>New Mexic | hway 64<br>Mexico 87401 |             |                       |    | Received Intact                       |         |          | -              |              |            |                  |       |
|                                             |                |                |                  | (505) 632-06            |                         |             |                       |    |                                       |         | Cool -   | - Ice/Blue Ice | _            |            |                  |       |

District I - (505) 393-6161 P. O. Box 1980 Frobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

Rio Brazos Road

District IV - (505) 827-7131

__c, NM 87410

# New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: <u>00044</u>

| 1.      | RCRA Exempt: 🔯                                   | Non-Exempt:                  | 7.31.00                               | 4 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | mmaran was pracas        |
|---------|--------------------------------------------------|------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
|         |                                                  |                              | 10:00 A.M.                            | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | n Hallwood Production    |
|         | Verbal Approval Received                         |                              | No U                                  | 5. Originating S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 110 See Attached         |
| 2.      | Management Facility Des                          | Mination Facilit             | h Soil Remedia.<br>y Landfarm #2      | 6. Transporter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SCAT Hot WAS             |
| 3.      | Address of Facility Opera                        | tor 5796 US Hi<br>Farmington | ghway 507 13 14 15 767<br>, NM X401 A | 8. State Colo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | vado.                    |
| 7.      | Location of Material (Stre                       | et Address or ULSTR)         | AUG 2000                              | Southanula -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | - SEE Attached           |
| 9.      | Circle One:                                      |                              | RECEIVED OIL CON. DIV                 | ) 73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |
|         | A. All requests for appro                        |                              | cempt wastes will be acc              | ompanied by a certific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | cation of waste from the |
|         | Generator; one certif  B. All requests for appro |                              | not wastes must be acc                | ompanied by necessa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITV chemical analysis to |
|         |                                                  | is not-hazardous and th      | e Generator's certification           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
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|         | All transporters must certi                      | fy the wastes delivered      | are only those consigne               | d for transport.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |
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|         | TEG BO                                           | Homes Fro                    | m Recyclic                            | g and che                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | aming Dally              |
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|         | Scat He                                          | ot Wash                      | 3 13 14 15°                           | 16° 77°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                        |
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|         |                                                  | ·                            | AUG 200<br>PECETY<br>OIL CON.         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
|         |                                                  |                              | PECELLON OIL CON                      | 10° CU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
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| Esti    | mated Volume 206                                 | bls cy Known Volum           | ne (to be entered by the op           | erator at the end of the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | haul) 2066/s cy          |
| 316     | SNATURE: How                                     | an Troco                     | TITLE: Landfarm !                     | Manager r                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE: 8 · (( · 00        |
|         | Wasta Managam                                    | ent FacilityAuthorized Agent | <u> </u>                              | 505-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 632-0615                 |
| ΓΥΙ     | PE OR PRINT NAME:                                | •                            | TEI                                   | EPHONE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
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|         | his space for State Use)                         |                              |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |
| AF      | PPROVED BY: Der                                  | my toins                     | _ TITLE: Geold                        | 004/3/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE: 8/14/00            |
|         | 1                                                |                              | TITLE: gred                           | lagist -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8/14/11                  |
| AF<br>— | PPROVED BY:                                      | Hum-                         | _ IIILE: ged                          | 101101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE: 8/17/00            |



## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

00044

DIL COMSERVATION DIVISION AZTED DISTRICT DEFICE 1800 RIG BRAZOS ROAD AZTEC, NEW MEXICO 87418 (305) 334-8175 FEE (505)334-81

GARY E. JOHNSON GOVERNOR

PENNIFER A. SALISBURY
CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

| 1. Generator Name and Address:<br>Hellwood Potre leve,                                                            | 2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington NM 87401 |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Southern Ute 22-4 Attach list of originating sites as appropriate  4. Source and Description of Waste             | Location of the Waste Street address & Jor ULSTA):  Waste is contained in a portable  Sifth wheel trailer.                                      |
| Waste is spent TEG bottoms mentioned locations, diluted                                                           | from dehydrators from above slightly with water.                                                                                                |
| 1988, regulatory determination, the above described w  X EXEMPT oilfield waste NON-EXEMI                          | PT oilfield waste which is non-hazardous by characteristic by product identification                                                            |
| For NON-EXEMPT waste the following documentati  MSDS Information  RCRA Hezerdous Waste Analysis  Chain of Custody |                                                                                                                                                 |
| This waste is in compliance with Regulated Levels of Nato 20 NMAC 3.1 subpart 1403.C and D.                       | eturally Occurring Radioactive Material (NORM) pursuant                                                                                         |
| Name (Original Signature): 1                                                                                      |                                                                                                                                                 |
| Title: Farmington Ustrict Manage  Date: 7/31/00                                                                   |                                                                                                                                                 |

# CIMARRON GAS PROCESSING EQUIPMENT COMPANY, INC.

PO BOX 1406 GUYMON, OK 73942

Ph. 580-338-5496

Fax 580-338-0885

1830 1st AVENUE

GREELEY, CO 80631

(970) 352-3123

Fax (970) 352-3125

July 31, 2000

Michiko Bond Southern Ute Indian Tribe Box 737 Ignacio, CO 81137

(970) 563-0384-Fax #

Dear Ms. Bond,

Our company is looking to dispose of TEG bottoms generated from Hallwood Petroleum's Southern Ute leases. We are sending the TEG bottoms to Enviro Tech Soil Remediation, Inc. Facility Land Farm #2 Hilltop, NM 5796 US Hwy 64, Farmington, NM 87401. Our contact there is Harlan Brown.

Thank you for your help in this matter.

Derek Moore Cimarron Gas

22

324.7



# SOUTHERN UTE INDIAN TRIBE

August 8, 2000

Derek Moore
Cimarron Gas Processing Equipment Co., Inc.
P.O. Box 1406
Guymon, OK, 73942

Re:

Tribal Notification of Transportation of exempt waste 200 gallons of TEG bottoms

Cimarron Gas Processing Equipment Company, Inc., NWNW1/4 Sec. 15 T33N R11W, Southern Ute 15-1; NESW1/4 Sec. 22 T33N R11W, Southern Ute 22-4; NESE1/4 Sec. 15 T33N R11W, Southern Ute 25-4

Dear Mr. Moore:

Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transport of 200 gallons exempt TEG bottom to a land farm in New Mexico. It is our understanding that the contaminated soil will be transported to Envirotech's landfarm in New Mexico.

Certification may be required by the state in New Mexico Oil Conservation Commission (NMOCCD) from your company, the transporter or generator. Transportation of this waste may be subject to other state and federal laws.

Sincerely,

Michiko Bond (acting)

Fran King Brown
Division, Head

**Environmental Programs** 

Cc: Harlan Brown Geologist/Hydrologist Envirotech Inc.

District Jo- (505) 393-6161 P. O. Box 1980 Hobbis NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210

P'-trict III - (505) 334-6178

District IV - (505) 827-7131

7 Rio Brazos Road

c, NM 87410 نديم

Energy

New Mexico ierals and Natural Resources Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

RECEIVED partment AUG 2 1 2000

Submit Original Plus 1 Copy

Form C-138

Originated 8/8/95

Environmental Bureau Oil Conservation Division 92132-09 Env. JN:

to appropriate District Office

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SOLID WASTE                   |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: A sortyra Kailing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4. Generator Services         |  |  |  |  |  |
| Verbal Approval Received: Yes 🗹 No 🔲 (4:30)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5. Originating Site Hale Year |  |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Transporter Serrano's      |  |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8. State Num Hopico           |  |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Allog EMAIN                   |  |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Farmington NM.                |  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul> |                               |  |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |  |  |  |  |  |
| 700-1000 gal of light LGC VIII GER on a cleanout trous p<br>Residual material from the Mangarith Totals cleanant.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | JG 2000  AUG 2000  AUG 2000   |  |  |  |  |  |
| Estimated Volume 700-10009 cy Known Volume (to be entered by the operator at the end of the hauli) cy                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |  |  |  |  |  |
| SIGNATURE: Handfarm Manager DATE: 7.21.00  Waste Management FacilityAuthorized Agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |  |  |  |  |  |
| TYPE OR PRINT NAME: Harlan M. Brown  TELEPHONE NO. 505-632-0615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |  |  |  |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |  |  |  |  |  |
| APPROVED BY: Derry toury TITLE: GEO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10915 DATE: 8/18/00           |  |  |  |  |  |

Ciatrict I (505) 393-6161 P O. Beit (580 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Firstet III - (505) 334-6178

Rio Brazos Road

Diatrict IV - (505) 827-7131

APPROVED BY:

c, NM 87410 مدر

### New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/95

> Submit Original Plus I Čopy to appropriate District Office

Env. JN: 92132-09

DATE:

| THE REPORT OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECON | ,我们就是这种种种的,我们就是这种,我们就是这种的人,我们就是这种的人,我们就是这种的人,我们就是这种的人,也是是这种的人,我们就是这种的人,也是这种的人,也是<br>"我们就是我们就是我们就是我们的,我们就是我们就是我们的,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们 |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SOLID WASTE                                                                                                                                                          |  |  |  |  |  |
| 1. RCRA Exempt: Non-Exempt: No | 4. Generator Services                                                                                                                                                |  |  |  |  |  |
| Verbal Approval Received: Yes No No Use 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5. Originating Site                                                                                                                                                  |  |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6. Transporter Sarrono's                                                                                                                                             |  |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8. State Now Howico                                                                                                                                                  |  |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Allog Eddin                                                                                                                                                          |  |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Farmington NOV.                                                                                                                                                      |  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                      |  |  |  |  |  |
| All transporters must certify the wastes delivered are only those consigned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | d for transport.                                                                                                                                                     |  |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | · · · · · · · · · · · · · · · · · · ·                                                                                                                                |  |  |  |  |  |
| 700-1000 gal of light LGC VIII G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ec on a clean out Trough                                                                                                                                             |  |  |  |  |  |
| 700-1000 gal of light LGC VIII GER on a cleanant tronsp.  Residual material from The Makeup Touth cleanant.  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 2000  AUG 200 |                                                                                                                                                                      |  |  |  |  |  |
| Estimated Volume 700-10009 cy Known Volume (to be entered by the ope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | erator at the end of the haul) ————————————————————————————————————                                                                                                  |  |  |  |  |  |
| SIGNATURE: Harlan M. Brown  TITLE: Landfarm Manager  DATE: 7.21.00  TYPE OR PRINT NAME: 505-632-0615  TELEPHONE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                      |  |  |  |  |  |
| (This space for State Use)  APPROVED BY: 1 TITLE: CES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10c 15/ DATE: 8/18/00                                                                                                                                                |  |  |  |  |  |

TITLE:

1. Generator Name and Address:

5056321865



### NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6170 Fax (505)334-6170

JENNIFER A. SALISBURY CABINET SECRETARY

GARY E. JOHNSON GOVERNOR

### CERTIFICATE OF WASTE STATUS

2. Destination Name:

Envirotech Inc.

Soil Remediation Remediation Facility

16:30

| (10)                                                                                                                                     | Landfarm #2, Hilltop, New Mexico                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| FARMINGton, Numberco                                                                                                                     | 5796 US Hwy 64 Farmington NM 87401                                                                                                                 |
| 3. Originating Site (name):                                                                                                              | Location of the Waste (Street address &/or ULSTR):                                                                                                 |
| Attach list of originating sites as appropriate                                                                                          |                                                                                                                                                    |
| 4. Source and Description of Waste                                                                                                       |                                                                                                                                                    |
| (light gel consistancy)                                                                                                                  | l rinse water on a transport                                                                                                                       |
| ROBERT SMETY                                                                                                                             | representative for                                                                                                                                 |
| (Print Name)                                                                                                                             | representative for.                                                                                                                                |
| HALL BURTON ENERGY SERVE CO<br>according to the Resource Conservation and Recover<br>1988, regulatory determination, the above described | representative for:  do hereby certify that, y Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification) |
| analysis or                                                                                                                              | IPT oilfield waste which is non-hazardous by characteristic by product identification                                                              |
| and that nothing has been added to the exempt or nor                                                                                     | n-exempt non-hazardous waste defined above.                                                                                                        |
| For NON-EXEMPT waste the following documentar  MSDS Information  RCRA Hazardous Waste Analysis  Chain of Custody                         | tion is attached (check appropriate items): Other (description):                                                                                   |
| This waste is in compliance with Regulated Levels of N<br>to 20 NMAC 3.1 subpart 1403.C and D.                                           | laturally Occurring Radioactive Material (NORM) pursuant                                                                                           |
| Name (Original Signature): ROBERT SMITTY                                                                                                 | /                                                                                                                                                  |
| Title: <u>HSE ADUZSOR</u>                                                                                                                |                                                                                                                                                    |
| Date: 7-20-00                                                                                                                            |                                                                                                                                                    |
|                                                                                                                                          |                                                                                                                                                    |

LGC-VIII CONCENTRATE - BULK

PAGE

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES DUNCAN, OKLAHOMA 73536

DATE: 03-23-00 REVISED DATE 04-07-99

EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359 EMERGENCY TELEPHONE: 800/666-9260 OR 580/251-3359

* * * SECTION I - PRODUCT DESCRIPTION * * * * * * *

CHEMICAL CODE: LGC-VIII CONCENTRATE - BULK

PART NUMBER: 516005670

PKG OTY: CARGO TANK APPLICATION: CONCENTRATE

SERVICE USED: STIMULATION

* * SECTION II - COMPONENT INFORMATION * * * * *

PERCENT TLVPEL

GUAR GUM 4000 (b. 31-60 % 10 MG/M3 15 MG/M3 ETHOXYLATED NONYLPHENOL 1-10 % NOT EST NOT EST

DIESEL (080 allan * * * * * * * 31-60 % NOT EST NOT EST

* * SECTION III - PHYSICAL DATA *

PROPERTY **MEASUREMENT** 

**APPEARANCE** YELLOWISH LIQUID, GEL

DIESEL SPECIFIC GRAVITY (H2O=1) 1.035

BULK DENSITY 8.62 LB/GAL

NOT DETERMINED

SOLUBILITY IN WATER AT

20 DEG C. GMS/100ML H20 NIL BIODEGRADABILITY SLOWLY PERCENT VOLATILES 100 EVAPORATION RATE (BUTYL ACETATE=1) <1 VAPOR DENSITY 5-6 VAPOR PRESSURE (MMHG) N/D

BOILING POINT (760 MMHG) 300 F / 148 C

POUR POINT N/DFREEZE POINT N/D

SOLUBILITY IN SEAWATER NOT EVALUATED

PARTITION COEF (OCTANOL IN WATER) NOT EVALUATED

* * SECTION IV - FIRE AND EXPLOSION DATA * * * *

NFPA (704) RATING:

2 REACTIVITY SPECIAL NONE HEALTH 1 FLAMMABILITY 0

FLASH MTHD TCC 128 F / 53 C FLASH POINT

ND F / C AUTOIGNITION TEMPERATURE ND

FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/DUPPER N/D

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

.ATTENTION.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! ASPIRATION INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

PN: 516005670 PAGE

STABILITY: STABLE CONDITIONS TO AVOID:

HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

NITROGEN OXIDES, CARBON DIOXIDE AND/OR CARBON MONOXIDE.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE. REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH A DUST-MIST FILTER.

IN OXYGEN DEFICIENT AREAS OR CONFINED SPACES, POSITIVE PRESSURE SUPPLIED-AIR RESPIRATOR WITH 5-MINUTE AUXILIARY BOTTLE, OR PRESSURE-DEMAND OR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

**VENTILATION:** 

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

LOCAL EXHAUST VENTILATION MUST BE DESIGNED FOR COMBUSTIBLE ATMOSPHERES (NEC CLASS II EQUIPMENT).

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM. OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

3

SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

District 12 (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 Trict III - (505) 334-6178 Rio Brazos Road

District IV - (505) 827-7131

# New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-138 Originated 8/8/95

> Submit Original Plus I Copy to appropriate District Office

Env. JN: <u>96052</u>-

| REQUEST FOR APPROVAL TO ACCEPT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SOLID WASTE                      |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--|--|--|--|
| 1. RCRA Exempt: Non-Exempt: 7-13-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4. Generator Phillips Patrolos   |  |  |  |  |
| Verbal Approval Received: Yes 🔼 No 🔲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5. Originating Site SJ 29~4 ~#3。 |  |  |  |  |
| 2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6. Transporter Key Evergy        |  |  |  |  |
| 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8. State Naw Hapico              |  |  |  |  |
| 7. Location of Material (Street Address or ULSTR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | "P" Sec 2, Tz9 N, R6W, SJC, NA   |  |  |  |  |
| 9. Circle One:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |  |  |  |  |
| <ul> <li>A. All requests for approval to accept olifield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned for transport.</li> </ul> |                                  |  |  |  |  |
| BRIEF DESCRIPTION OF MATERIAL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |  |  |  |  |
| Sand & coal five sludge @ water disposar Facility  JUL 2000  PECEIVED EN ONLOCK EN DET. 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |  |  |  |  |
| Estimated Volume 240 bbl cy Known Volume (to be entered by the operator at the end of the haul) 240 bbl cy                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |  |  |  |  |
| SIGNATURE: Waste Management Facility Authorized Agent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DATE: 7.14.00                    |  |  |  |  |
| Harlan M. Brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EPHONE NO                        |  |  |  |  |
| (This space for State Use)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  |  |  |  |  |
| APPROVED BY: Dewy Kerry TITLE: Geolo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9/37 DATE: 7/20/00               |  |  |  |  |
| APPROVED BY: Charli There TITLE: Defoty 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1615 Person DATE: 1/26/2000      |  |  |  |  |

# CERTIFICATE OF WASTE STATUS

| 1. Generator Name and Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2. Destination Name:                                                                                                              |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 1. Generator Name and Address:  Phillips Pernuloum  Sox 3004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Franciscop Coil Domodio                                                                                                           | tion Facility          |
| 1525 109 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Envirotech Soil Remedia                                                                                                           | LION PACIFICY          |
| FARMINGTON, NM 87401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Landfarm #2 Hilltop, New Mexico                                                                                                   |                        |
| The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s |                                                                                                                                   | ress & for ULSTRI      |
| SAN JUAN 29-6 #301 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ATTE DISposal STATION                                                                                                             |                        |
| Attach list of originating sites as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   |                        |
| Attach list of originating sites as appropriate  4. Source and Description of Waste  IANK Boffoms From  Ohillips WATER Disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | apstacom soffling Tank                                                                                                            | <b>@</b>               |
| Phillips WATER DISPOSAL  PRODUIT ORIGINATED FROM  MIXED W/ Solids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | incoming wells produced                                                                                                           | y WATER                |
| M1880 W/ 32114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | i.                                                                                                                                |                        |
| 1. ROBERT A. DIRTANEN &                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11)8                                                                                                                              | resentative for:       |
| Phillips Osta-lour (Print Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   |                        |
| Thillips Verasiona Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                   | b hereby certify that, |
| according to the Resource Conservation and Recov                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                   |                        |
| 1988, regulatory determination, the above described                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 Waste IS: (Check appropriate classificati                                                                                       | ony                    |
| EXEMPT cilfield waste  NON-EXE  analysis of the state of the exempt or not that nothing has been added to the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt or not the exempt of the exempt or not the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the exempt of the ex | iMPT oilfield waste which is non-haze<br>or by product identification<br>NuRM よ Non E いゆら デ<br>ion-exempt non-hazardous waste def | ound - RAWSo           |
| For NON-EXEMPT waste only the following docu  MSDS Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | mentation is attached (check approp<br>Other (description):                                                                       |                        |
| RCRA Hazardous Waste Analysis Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                        |
| Name (Original Signature): Bliff Wits  Title: Sp. SAFETY - ENVIRONMENTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   |                        |
| ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Spalst                                                                                                                            |                        |
| Date: 7-/3-00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                        |