## NM1-10-A

**C-138** 

Date: 1995

Tierra Land Farm

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	4XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1 . RCRA Exempt: XXX Non-Exempt: D	ust 6/27 4. Name of Transporter
Verbal Approval Received: Yes XXX No U (Submitting this form for oilfield exempt waste is optional)	CF&M
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	Gas Company of New Mexico
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington N.M	Turner # 1
7. Originating Location of Material (Street Address or ULSTR) SE 1/4, NW 1/4	8. State
Section 24, T-31-N, R-11-W San Juan County	New Mexico

#### 9. Check One

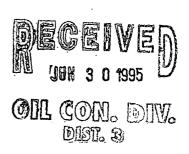
- All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; on certificate per job.
- All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify—that the wastes delivered are only those consigned for transpor

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soil from dehydrator pit.



Estimated Volume 12 yd Known Volume (to be entered by the operator at the information above is true and complete 19 the best of my knowledge and belief.	he end of the haul):	
SIGNATURE TITLE Phillip C. Nobis	CEO	DATE 6/28/9
TYPE OR PRINT NAME Phillip C. Nobis	TELEPHONE NO	325-0924
(This space for State Use) APPROVED BY Denny D. Tout TITLE Geolog	15/	DATE 6/34
APPROVED BY Since Berrely TITLE 11		DATE
CONDITIONS OF APPROVAL. IF ANY:		





CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## TIERRA ENVIRONMENTAL CORPORATION

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

This material originated:  In The State of New Mexico  From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.  Source: Confidentiation Cance from a Crouch Mesa Landfarm Facility  SE 1/4, Section 2, Township 29 North, Range 12 West NMPM  San Juan County, New Mexico  I Devine Form Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature Address Bay Banafato Macx  Date 6-27-95	Sites (Include Name, Section, Township, Range, 1/4, etc.)
From the State of	SEC 24 TOWNLY - 3/N Kinge 1/W
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.  Source: Land amenation: Cance from a Cance from a Cance from the Regulatory of the Land from the Commentation of the Land from the County of the Land from the County of the Land from the County of the Land from Tacility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM  San Juan County, New Mexico  I Device From From Mexico  I Device From Mexico  I Device From Mexico  I Device From Mexico  I	This material originated:
Agency having jurisdiction therefore is attached.  Source: Contamination: Cance from a Selection of the Agency for the Agency	In The State of New Mexico
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  I Description Tepresentative for THS Point Marks Of North Marks  do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Title  1.	Agency having jurisdiction therefore is attached.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  I Description Tepresentative for THS Point Marks Of North Marks  do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Title  1.	Source: Conformation caree from a
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  I Description Tepresentative for THS Point Marks Of North Marks  do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Addres  1. O Bax 1893  Title  Title  1.	alleghator pit approx 20 From the
Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  I Tender Township 10 North Tender Ten	Exclusion 4
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Title  Addres  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 Wes NMPM San Juan County, New Mexico
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•	regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Title  Addres  1.0. Box 1893  Thomas 1.0. May  874/3

5:30 No.001 P.02

RCRA Exempt: X Non-Exempt:  Verbal Approval Received: Yes XX No	NASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Verbal Approval Received: Yes DX No		4. Name of Transporter
Submitting this form for oilfield exempt waste is option	nal)	Doug Foutz Trucking
Destination		5. Generator
lerra Crouch Mesa·Landfarm		El Paso Natural Gas
Address of Facility Operator		6. Name of Originating Site
907 W. Apache, Farmington, NM 87401		Various
Originating Location of Material (Street Address or UL	STR)	8. State
rious dehydrator and drip pits (see attached		New Mexico
Check One  A. All requests for approval to accept cilfield exempt wastes will certificate per job.  B. All requests for approval to accept non-cilfield exempt wastes	s will be accompanie	d by a certification of waste status from the
Generator and the New Mexico Environment Department or o	ther appropriate gov be accompanied by n	ernment agency; two certificates per job.
the material is non-hazardous and the Generator's certification will be approved.		
transporters must certify that the wastes d	elivered are o	nly those consigned for tran
ted Dates(s) for Transportation:		
DESCRIPTION OF THE MATERIAL:		
	.nady	Park Bases
	14/1	DEGESVED
		DEGETVED Jun 1 6 1995 D
		UU JUN 1 6 1995 U
		OUL CON. DUV.
		UU JUN 1 6 1995 U
		OUL CON. DUV.
		OUL CON. DUV.
ed Volume ya Known Volume (to be en	itered by the operator at it	OIL COM. DIV. DIST. 8
certify, that the information above is true and complete to the best of my knowledge.	and belief.	JUN 1 6 1995  OUL COND DUV.  DUSTIC 33  he end of the hauli: 550
TITLE Spe	and belief.	JUN 1 6 1995  OIL CON DIV.  DISTA 3  he end of the havil: 550  Manager DATE 6/1/2/9  325-0924
TITLE Spe	and belief.	JUN 1 6 1995  O[[] CO[] D[[V]  D[[ST] 3  he end of the haull: 550  Manager DATE 6/12/9
TITLE Specific Connie Dinning.	and belief.	JUN 1 6 1995  OIL CON DIV.  DISTA 3  he end of the havil: 550  Manager DATE 6/1/2/9  325-0924
Connie Dinning  Constant Value  Connie Dinning  Constant Value  Constant Value	and belief,	JUN 1 6 1995  O[[] CO[] D[[]  D[[] 3  he end of the haull: 550  Manager DATE 6/1/2/9  TELEPHONE NO.
TITLE Specific Connie Dinning.	and belief.	JUN 1 6 1995  O[[] CO[] D[[]  D[[] 3  he end of the haull: 550  Manager DATE 6/1/2/9  TELEPHONE NO.
Connie Dinning  Constant Value  Connie Dinning  Constant Value  Constant Value	ecial Projects	JUN 1 6 1995  O[[] CO[] D[[]  D[[] 3  he end of the haull: 550  Manager DATE 6/1/2/9  TELEPHONE NO.



#### Tierra Environmental Corporation

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918–437-6200

OPERATIONS OFFICE-909 W. Apache Farmington, NM 87401 505-325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Sites (Jacked Name Section Township Bonzo 1/4 etc.)
Site: (Include Name, Section, Township, Range, 1/4, etc.) A list of pit closure sites is attached.
This material originated:
This material originated:
XX In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Natural Gas Company
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal. State or Local law, regulation or ordinance.
Signature Sanche il Milles
Title Sr. Compliance Scientist
Addres P.O. Box 4990; Farmington, NM 87499
Date

Tierra 6/5/95

	CLOSED	METER	METER2	LOCATION	STRL	
	5/1/95	94280		Patterson #1 PC	20-30-08-1	
	5/2/95			Lat H-19 Drip Y-1	28-32-10-	·/
	5/9/95	75625		Elliott Gas Com S #1	33-30-9-M	
ı	5/9/95	93500		Elliott Gas Com R #1E	34-30-9-C	
	5/25/95	73147	IIP HASE	Elliott Gas Com M #1	33-309-I	
	5/25/95	N/A		Old Blanco Storage Pit	11-29-11-	رسبا
	5/25/95	93490		Garett Federal Com #2-1	13-29-11-	
	5/30/95	758 <u>61</u>		Hardie #5	23-28-8-0	
	5/31/95	90613		San Juan 28-7	9-28-7-P	ر س
	5/31/95	N/A		Lat 10C-1 Syphon Pit	18-25-11-L	
-	5/31/95	N/A		Lat 10C-1 Syphon Pit	18-25-11-L	

#### EL PASO PITS MAY 1995

<b>DATE</b>	<b>LOCATION</b>	<b>METER</b>	<b>CONT</b>	<u>FILL</u>	<u>CELL</u>
5/1/95	FLORENCE #36 E OK	93629	0.00	20.00	ب <b>غ</b> ر,
5/1/95	PATTERSON #1 pc	94280	20.00	20.00	9
5/3/95	LAT H-19 DRIP YI	NA005	50.00	50.00	9
5/9/95	ELLIOT GCS #1	75265	40.00	50.00	9
5/9/95	ELLIOT G.C. R #1E	93500	10.00	0.00	9
5/10/95	ELLIOT G.C. M #1	73147	100.00	90.00	9
5/25/95	OLD BLANCO STORAGE PIT	NA010	100.00	130.00	. 9
5/25/95	GARRETT FED COM 2-1E	93490	80.00	80.00	9
5/30/95	ANNIE L ELLIO <del>T D</del> #4	92153	0.00	20.00	•
5/30/95	HARDIE #5	75861	80.00	80.00	9
5/31/95	SAN JUAN 28-7 #21 A	90613	40.00	40.00	9
5/31/95	LAT 10C-1 SYPHON PIT	NA015	30.00	30.00	9

SUM: SUM: 550.00 610.00

REQUEST FOR APPRO TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1 . RCRA Exempt: XXX Non-Exempt: D D. Foust 5/31/95  Verbal Approval Received: Yes XXX No D	4. Name of Transporter
(Submitting this form for oilfield exempt waste is optional)  2. Destination	Consolidated 5. Generator
Tierra Crouch Mesa Landfarm	Gas Company of New Mexico
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington, N.M.	Kutz Canyon Facility
7. Originating Location of Material (Street Address or ULSTR)	8. State
Sec. 11, T-28N, R-1W NW San Juan County	New Mexico
<ul> <li>9. Check One</li> <li>XAYA. All requests for approval to accept oilfield exempt wastes will be accompanied be certificate per job.</li> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied. Generator and the New Mexico Environment Department or other appropriate got C. All requests for approval to accept non-exempt wastes must be accompanied by the material is non-hazardous and the Generator's certification of origin. No wast will be approved.</li> <li>All transporters must certify that the wastes delivered are</li> </ul>	ed by a certification of waste status from the vernment agency; two certificates per job.  necessary chemical analyses to prove
Projected Dates(s) for Transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	

Tank bottoms and sludge from fiber glass tank on site.



Estimated Volume - 7			i by the operator at the end of the haui):	yc
SIGNATURE	fon above is true and complete to the best of	TITLE CEO		DATE <u>5/31/95</u>
TYPE OR PRINT NAME	Phillip C. Nobis		TELEPHONE N	o.325-0924
(This space for State Use) APPROVED BY	Enry G. Four	TITLE	Geologist	DATE 6/5/95
APPROVED BY	un Bosel	TITLE	L	DATE,



CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## TIERRA ENVIRONMENTAL CORPORATION

Originating

#### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
CLAS COMPANY OF NEW MEXICO - KUTZ
CAHYON FACILITY - GATHERING STORAGE
MARD - 13-11 T-28N/R-11W X/W
This material originated:
in The State of New Mexico
From the State of Lotton from the Downlotons
From the State of Letter from the Regulatory
Agency having jurisdiction therefore is attached.
Source: A FIBERGIASS TANK USED TO
HOLD WATER TANK BOHOMS OIL -
These ARE GXEMPT CO-MIHUSED OFFICED
1.1Aste
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West
NMPM
San Juan County, New Mexico
- Denviso Bandonal
I FENDER DEARDEN
representative for GIPS Company of NEW //IEX/CO
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my
knowledge, no other material has been commingled with the exempt waste that
would otherwise cause the waste to be classified as "hazardous" by RCRA or any
other Federal, State or Local law, regulation or ordinance.
Signature / Signature
Title Camenicality III
00 Bay 1809 Flow 10 1/M
Addres fr. O1 1004 107/ 1000111111111111111111111111111111
5/22/00
Date 7 30/13

REQUEST FOR APPR L TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Qk Non-Exempt: D. Foust 5/5/95	4. Name of Transporter
arbal Approval Received: Yes ™ No □ (Submitting this form for oilfield exempt waste is optional)	Hicks
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	Hicks OIl and Gas
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington N.M. 87401	Cha Cha SWD Tank Bat # 2
7. Originating Location of Material (Street Address or ULSTR)	8. State
SW 1/4, SE 1/4, Sec 15, T-28N, R-13W San Juan County	New Mexico
9. Check One  All requests for approval to accept oilfield exempt wastes will be accompanied certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanded accompanded of the New Mexico Environment Department or other appropriate grants.	nied by a certification of waste status from the

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

will be approved.

Sludges removed from Tank Bat 2 produced as a result of water disposal operations

D.C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove

the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing

All transporters must certify—that the wastes delivered are only those consigned for transpor

DECEIVED MAY 1 0 1995 OIL COM. DIV. DIST. 3

Estimated Volume 80 bb] I hereby certify that the information	s yd Known above is true and complete to the rest		ed by the operator at the end of the haul): d beiref.	
SIGNATURE	in's C. Molice	TITLE _CEO_	·	DATE5/8/95
TYPE OR PRINT NAME	Phillip C. Nobis		TELEPHONE N	uo
This space for State Use)  APPROVED BY	my g. Fen	TITLE	feologist	DATE <u>578</u> 193
APPROVED BY	i Buch	TITLE	Coenlogist	DATE 5/10/9

**Originating** 

TIERRA ENVIRON



TIERRA **ENVIRONMENTAL CORPORATION** 

CORPORATE OFFICE

JFFIC .awer 15250 .angton, NM 8740 (505) 325-0924 ...

#### **CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE**

Site: (Include Name, Section, Township, Range, 1/4, etc.)
SE. CHACHA WATER DISPOSAL, TANK BATTURY#2
SW4/SE4 SEC. 15-728N-K/3W
SANJUAN COUNTY, NM
This material originated:
In The State of New Mexico
From the State of Letter from the Regulatory
Agency having jurisdiction therefore is attached.
Source: TANK BOTTOM SEDIMENT ACCUMULATED FROM WATER DISPOSAL ACTIVITIES.
FROM WATER DISPOSAL ACTIVITIES.
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West
NMPM
San Juan County, New Mexico
1 Jim Hicks
representative for Hiers Oil & GAS, INC.
P.O. DRANCE 3302
EARMINGTON MM 87499
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my
knowledge, no other material has been commingled with the exempt waste that
would otherwise cause the waste to be classified as "hazardous" by RCRA or any
other Federal, State or Local law, regulation or ordinance.
Signature from from
T (F)
Title PRESIDENT, HIERS OLE GAS Inc.
Addres PO. DRAWLR 3307, FARMINGTON, MM BING
Date 5/5/95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: 🖾 Non-Exempt: 🗆	4. Name of Transporter
Verbal Approval Received: Yes K No (Submitting this form for oilfield exempt waste is optional)	Riley
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	ElPaso Natural Gas Co.
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farminton, N.M. 87401	Chaco Plant
7. Originating Location of Material (Street Address or ULSTR)	8. State
Section 16, T-26N, R-12-W, San Juan County	New Mexico
9 Check One	

- XX 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
  - C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing
- All transporters must certify that the wastes delivered are only those consigned for transpor

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Sludge from receiving vessel, approximately 250 bbls. Sludge is produced from pigging operations from gathering system.



OIL CON. DIV. DIST. 2

	be entered by the operator at the end of the haull:yc
SIGNATURETITLETITLE	
TYPE OR PRINT NAME Phillip C. Nobis	325-0924 TELEPHONE NO
(This space for State Use)	
APPROVED BY Denny B. Found TI	TLE GEOLOGIST DATE 5/1/95
APPROVED BY Same Small TI	TLE LA DATE





April 27, 1995

Phillip C. Nobis Tierra Environmental Co. 909 West Apache Farmington, NM 87401

Re: El Paso Natural Gas Company - Tank Bottom Disposal

Mr. Nobis,

El Paso Natural Gas Company's (EPNG) Chaco Plant is currently making preparations to retire a large vessel used to receive "pigging" liquids. The Plant will be using a local contractor to hydrate and move the sludge from the vessel to their truck and then to your landfarm facility. Details are as follows:

- Chaco Plant Section 16, T-26-N, R-12-W, San Juan County, New Mexico
- Enclosed is Certificate of Waste Status for Exempt Waste
- The vessel is 35 feet in diameter and has approximately 1 foot of sludge. I have assumed an increase in waste volume by 1/3 giving a final volume of 230 bbls.
- The Plant will begin cleaning activities on or about May 8th.
- Invoices should be addressed to El Paso Natural Gas Company Attn: Lyndell Smith, P.O. Box 4990, Farmington N.M. 87499

Please prepare a cell for the tank bottom. Chaco Plant personnel will contact your office 24 hours in advance of delivery to identify trucking company.

Should you require further information, please do not hesitate to call at 5992175.

Thank you,

Patrick Marquez Compliance Engineer

cc: w/o enclosure

Lyndell Smith
Pablo Quintana
Max Blackwood
Al Wussler
Bob Yungert
David Hall

Sandra Miller/David Bays/File: 5212 Environmental



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

1. RCRA Exempt: Non-Exempt:	XXXXXXXXXXXXXXXXXXXXXXX
Veloai Approval Received	4. Generator
2. Destination	El PASO
Tierra	5. Name of Originating Site
3. Address of Facility Operator	Various Dohyd D. J.
	6 Name of T
7. Location of Material (Street Address or ULSTR)	Foutz
Material (Street Address or ULSTR)	8. State
See Attached list	
9. Check One	N.M.
A. All requests for approval to accept oilfield exempt wastes will be accepted.	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Mexico Environment Department or other appropriate government agency; two certificates per job.	he Generator; one certificate per job.
C. All requests for approval to account	te from the Generator and the New
C. All requests for approval to accept non-exempt westes must be accompanied by necessary chemical analyses to p and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.  All transporters must certify the wasterness.	rove the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
IEF DESCRIPTION OF THE MATERIAL	
Soil Contaminated with hydrocarbons	
CONTAMINATED WITH LY dro CARBONS	
	From Var. or'
Closures 1 1.	From Various pit
Closure Locations, RCRA exempt.	From Various pit
Closure Locations, RCRA exempt.	From Various pit
Closure Locations, RCRA exempt.	From Various pit
hocations, RCRA exempt.	
hocations, RCRA exempt.	arch
cosore Locations, RCRA exempt.	arch
cosore Locations, RCRA exempt.	PEGEIVEN
cosore Locations, RCRA exempt.	arch
hocations, RCRA exempt.	DEGENVED APR 2 0 1995
cosore Locations, RCRA exempt.	DECEIVED  APR 2 0 1995  OUL CONL DUV
Mosore Locations, RCRA exempt.	DEGENVED APR 2 0 1995 D
ated Volume _	OIL CON. DIV.
ated Volume  CY  Known Volume (to be entered by the operator at the structure)  ATURE  Discreption of the desired formation above is true and complete to the best of my knowledge and belief.	OIL CON. DIV.
ated Volume  CY  Known Volume (to be entered by the operator at the operator)  Exp certify that the information above is true and complete to the best of my knowledge and belief.	OFL GONO DIV.  DISTI. 3
ATURE  OR PRINT NAME  NOCATIONS, RCRA exempt.  Known Volume (to be entered by the operator at the best of my knowledge and belief.  TITLE CEO  OR PRINT NAME  Phillip C Alling	DECEIVED  APR 2 0 1995  OFL GON. DIV.  DIST. 3  DATE 1/12/95
oned Volume  Of Control of the information above is true and complete to the best of my knowledge and belief.  ATURE  OR PRINT NAME  Phillip C Alling  OR PRINT NAME	DECEIVED  APR 2 0 1995  OIL GON. DIV.  DIST. 3  DATE 1/12/95
orted Volume  Over Certify that the information above is true and complete to the best of my knowledge and belief.  ATURE  OR PRINT NAME  Phillip C Alling  OR PRINT NAME	DECEIVED  APR 2 0 1995  OIL GON. DIV.  DISTI. 3
ated Volume  CY  Known Volume (to be entered by the operator at the property of the information above is true and complete to the best of my knowledge and belief.  ATURE  OR PRINT NAME  Phillip C. Nobis  Dace for State Use)	DECEIVED  APR 2 0 1995  OFL GON. DIV.  DIST. 3  DATE 1/12/95
ated Volume  Overtily that the information above is true and complete to the best of my knowledge and belief.  ATURE  OR PRINT NAME  Phillip C. Nobis  page for State Use)	DECEIVED  APR 2 0 1995  OIL GONO DIVO  DISTION  DATE  M12/95  TELEPHONE NO. 505-325-0924
ated Volume  CY  Known Volume (to be entered by the operator at the property of the information above is true and complete to the best of my knowledge and belief.  ATURE  OR PRINT NAME  Phillip C. Nobis  Dace for State Use)	DECEIVED  APR 2 0 1995  OFL GON. DIV.  DIST. 3  DATE 1/12/95
ATURE  OR PRINT NAME  Phill; p. C. Nobis  Dace for State Use)  OVED BY Decry According to the Desire of Title Geology  TITLE Geology	DECEVED  APR 2 0 1995  OIL GONO DIVO  DISTION  DATE  M12/95  TELEPHONE NO. 505-325-0924



#### Tierra Environmental Corporation

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

#### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
A list of pit closure sites is attached.
The state of the s
This material originated:
XX In The State of New Mexico
From the State of Letter from the Regulatory
Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
[1] 17 · 18 [1] · 17 · 14 · 18 · 18 · 18 · 18 · 18 · 18 · 18
The second of th
The state of the first of the state of the s
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West
NMPM
San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Natural Gas Company
Control of the second of the control
· · · · · · · · · · · · · · · · · · ·
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my
knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any
other Federal. State or Local law, regulation or ordinance.
6 L 1 10 N/DO
Signature Mille
Title Sr. Compliance Scientist
Time of the second seco
Addres P.O. Box 4990; Farmington, NM 87499
Address Transfer of the Control of t
Date

#### TIERRA

CLOSED	METER	WEIE32		SHIRLE CONTRACTOR CONT
04=Mas-95		control of the control	Lot 20 Maria	20-27-14 <del>-1</del>
01-Mar-95	72320 🚟	<b>海航海</b> 流	Annie L Elliot D #3	12-29-09-F
21-Mar-95	72429	である。	San Juan 27-5 #48 PC	19-27-05-K
24-Mar-95	71850 🖅	The second second	San Juan 28-6 #75	03-27-06-N 🐉
29-Mar-95	72265	<b>建</b>	San Juan 28-6 #79 MV 🖔	11-27-06-M 💈
30-Mar-95	75069		San Juan 28-6 #115	03-27-06-N 🖔
30-Mar-95	71888	<b>全理条约。设计</b>	San Juan 28-6 #67	14-27-06-A

- BILL OF LADING RECAP -	Property of the Control of the Contr			
CLIENT : EL PASO N.G.	PAGE 1			The state of the s
Bol DATE	LOCATION	NETER #	CONT	FILL
03/01/95	ANNIE L. ELLIOT D #3	72320	90.00	110.00
03/21/95	SAN JUAN 27-5 #48	72429	40.00	40.00
03/22/95	L-40 LINE DRIP	NAO05	0.00	170.00
03/24/95	SAN JUAN 28-6 #75	71850	120.00	120.00
03/29/95	SAN JUAN 28-6 #79 mv	72265	240.00	240.00
03/30/95 03/30/95	SAN JUAN 28-6 #115 SAN JUAN 28-6 #67	75069 71888	40.00 40.00	40.00 40.00
03/31/95 03/31/95	SAN JUAN 28-6 #106 SAN JUAN 29-7 #58	51661 71703	0.00	20.00
03/31/95 03/31/95	SAN JUAN 28-6 #71 SAN JUAN 29-7 #53	72087 71475	0.00 0.00 0.00	20.00 20.00 20.00

CLIENT : EL PAS	SO N.G. JOB #:	+022 PAGE 2			
DATE I/NO.	METER LOCATION		CARRIER		FILL
03/30/95 9568	71888 SAN JUAN	28-6 #67	FOUTZ		A AA
	51661 SAN JUAN		FOUTZ		
	72087 SAN JUAN		FOUTZ		
	72087 SAN JUAN		FOUTZ		
03/31/95 9572	51661 SAN JUAN	28-6 #106	FOUTZ	935 (0.00)	20.00
			TOTALO		
			TOTALS: 570.	.00	37.00

And the second

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: 12 Non-Exempt:	4. Generator
Verhal Approval Received: Yes 🖭 No 🗆	m 1 01
D. Foust 4/14/95	Meridian Uil  5. Name of Originating Site
2. Destination	5. Name of Originating Site
Tierra Crooch Mesa Landfarm	MC Grath SWD
3. Address of Facility Operator \$740 /	6. Name of Transporter
,	Riley
907 West Apache Farming for N.M.  7. Location of Material (Street Address or ULSTR)	8. State
2. Encation of Material (Street Address of Ocolini-	
Mc Grath SWD T-30N, R12W S34	N.M.
9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status	s from the Generator and the New
Mexico Environment Department or other appropriate government agency; two certificates per job.  C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pro-	
and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	1 1 F Dies cal
Approximately 400 bbls of Sludge pr	oduced From Disposar
Made and his 15	
Well operations,	and the second
	DEGENVEN
	APR 1 7 1995 L
	oul con. div.
	Dist. 2
	No. of Assert Control of Control
Estimated Volume 400 8815 - Known Volume (to be entered by the operator a	at the end of the haul):cv
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	Same related
SIGNATURE Print C. Note TITLE CEO	DATE 4/14/13
TYPE OR PRINT NAME	TELEBUIONE NO
	TELEPHONE NO.
	TELEPHONE NO
(This space for State Use)	
(This space for State Use)	
(This space for State Use)	05 15 DATE 5/1/95

ONDITIONS OF APPROVAL, IF ANY:

Originating



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Diawer 15230 Farmington, NM 87401 (505) 325-0924

fax 325-1920

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)  MCGGATH SWD
SPORCH MESA T30N- A12W-534
This material originated:
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: M' GRATH SACTWATER DISPOSAL WELL
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North. Range 12 West NMPM San Juan County, New Mexico
I KEVIN C. MYERS representative for MERIDIAN OIL
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal. State or Local law, regulation or ordinance.
Title Environmental Specialist
Addres 3035 E. 38th FARMINGTON
Date 4-13-95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxx
RCRA Exempt: Non-Exempt: D. Faust 3/31/95 Verbal Approval Received: Yes No D	4. Generator
Destination	meridian
Destination	5. Name of Originating Site
Tierra Crouch Mesa Landfarm	FARMINGTON 1-E
Address of Facility Operator	6. Name of Yransporter
907 W. APAChe FARMINATON N.M. 87401	Foutz / Burlington
907 W. APAChe Farming ton, N.M. 87401 Location of Material (Street Address or DLSTR)	8. State
T31N , R13W 536	New Mexico
. Check One	
A. All requests for approval to accept cilfield exempt wastes will be accompanied by a certification of waste from the  B. All requests for approval to accept non-cilfield exempt wastes will be accompanied by a certification of waste status	
Mexico Environment Department or other appropriate government agency; two certificates per job.	
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pro- and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	ve the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
IEE DESCRIPTION OF THE MATERIAL.	
Soil Contaminated with condensate	From Leak in
Soil Contaminated with condensate	From Leak in
Soil Contaminated with condensate	From Leak in
·····	From Leak in
Soil Contaminated with condensate	Deceivi
Soil Contaminated with condensate	From Leak in  DECEIVI  APR - 5 199
Soil Contaminated with condensate	DECEIV

Estimated Volume	600	cy Known V	olume (to be enter	ed by the operator at the	end of the haul):		су
hereby certify that the inform			my knowledge and	d belief.			
SIGNATURE	his con	loki	_TITLE	0	<del></del>	DATE	131/55
TYPE OR PRINT NAME	Ph:11: p	C. Nobis		1	TELEPHONE NO	325-09.	24
(This space for State Use)					4-		
APPROVED BY De	my of	· tour	TITLE	Geologi	5/	DATE 4	5/95
APPROVED BY	mie B	uch	TITLE	n		DATE	21

MAR 31'05



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE
P. O. Drawer 15250
Farmington, NM 87401
(503) 325-0924
Av 325-1920

CERTIFICATE OF	WASTE STATUS - PARTITION OF THE PARTIES.
EXEMPT OILF	IELD WASTE GEUVEIII
	WASTE STATUS DEGETVED
Originating	Ar Abk - 2 lags
Site: (Include Name, Section, Township	, Range, 1/4, etc.)
CON OF FREHINGTON # 1-E WELL	
731N RIDW 536	Distr. 3
This material originated:	Agency or early officer and a section
X In The State of New Mexico	
From the State of	Letter from the Regulatory
Agency having jurisdiction therefore is a	
a storing and amount was and a me	<del></del>
Source: SOIL CONTAMINATED WITH	CONDENSATE FROM LEAK
IN PRODUCTION STORAGE TRUK	
ESTIMATE UP TO 100 YAZ	!
•	
Destination: Tierra Environmental Cor	poration experience of the contract of the con
Crouch Mesa Land	Ifarm Facility
SE 1/4, Section 2	Township 29 North, Range 12 West
NMPM	: <b>!</b>
San Juan County,	New Mexico
	!
I KEVIN C. MYERS	
representative for MERIDIAN OIL	T.E.
	: 
do hereby certify that the waste described	
regulation by the Resource Conservati	
considered non-hazardous oilfield waste	
knowledge, no other material has been would otherwise cause the waste to be ch	
other Federal, State or Local law, regul	<del>_</del>
, and the second se	;
Signature Kevin C. Muse	
O	
Title ENVIRONMENTAL SPEC	WC18T
Addres P.O. BOX 4289 FARMIN	STON NM
Date MARCH 31, 1995	

REQUEST FOR APPRO TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxx
1 . RCRA Exempt:  Non-Exempt:	4. Name of Transporter
Verbal Approval Received: Yes 🗆 No 🗆	Fairtz
(Submitting this form for oilfield exempt waste is optional)  2. Destination	5. Generator
2. 555	J. Generator
Tierra Crouch Mesa Landfarm	
3. Address of Facility Operator	6. Name of Originating Site
7. Originating Location of Material (Street Address or UKSTR)	ElPASSO
7. Originating Location of Material (Street Address or ULSTR)	8. State
See Attached list	N. M.
9. <u>Check One</u>	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by certificate per job.	a certification of waste from the Generator; on
☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied	
Generator and the New Mexico Environment Department or other appropriate gove	ernment agency; two certificates per job.
C. All requests for approval to accept non-exempt wastes must be accompanied by no the material is non-hazardous and the Generator's certification of origin. No waste	
will be approved.	-
All transporters must certify that the wastes delivered are o	nly those consigned for transpor
Projected Dates(s) for Transportation: BRIEF DESCRIPTION OF THE MATERIAL:	
	•
VARIOUS delinated	1 2/
achievator & Drip P, 75 A	at closures
too CI	
VArious dehydrator + Drip Pits A for February 1995	•
<b>,</b>	······································
	DEGEMMEN
	Regeration
	III MAR 2 1 1005 U
	- CCCI 1 7 WH.
	OIL CON. DIV.
	DIST. 3
Estimated Volumeyd³ Known Volume (to be entered by the operator at t	he end of the hault: 1,200
hereby certify that the information above is true and complete to the best of my knowledge and belief.	. /
SIGNATURE Phaif CNG TITLE CE D	DATE 3/20/95
	-
TYPE OR PRINT NAME _ Phi//: A C Nobis	TELEPHONE NO. 325-0884
//	

and Busch TITLE Geologist DATE 4/4



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Situation (L. 1. N. Castian Tananakia Bassa 1/4 ata)
Site: (Include Name, Section, Township, Range, 1/4, etc.) A list of pit closure sites is attached. February 1995.
This material originated:
XX In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Natural Gas Company
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
Signature Stander I Mill
Title Sr. Compliance Scientist
Addres P.O. Box 4990; Farmington, NM 87499
Date 3/7/95

CLOSED	METER	METER2	LOCATION	$S_T_R_L$
02/01/95	90547		Florance A E #1A	25-30-10-J
02/03/95	72912		Mudge LS #20 🎠	08-31-11-G
02/06/95	73024		Nickles #1	11-31-13-K
02/06/95	87546		Elliot A #2	19-31-11-M
02/07/95	73392		McKenzie #1V	20-30-12-B
02/07/95	89247		Graham #51A	10-27-08
02/10/95	90935		Bruington #1E	14-28-11-L
02/10/95	90619		L V Hamner A #1A	21-29-09-F
02/13/95	89924		D J Simmons/E #2A	23-29-09-E
02/14/95	89565		NEBU #5A	13-30-08-K
02/24/95	75826		Florance #47X	05-30-09-GV
02/27/95	89821		Walker Com #2A	32-31-09-0

reed 15#20

CLIENT :	EL PAS	O M.G.	JOB # J4022	PAGE 1		٠.			
DATE	T/NO.	METER	LOCATION		CARRIER	TRK #	CONT	FILL	CELL
02/21/95		00000	NO HAUL TODAY	`.		•	0.00	0.00	٠ ـ
02/22/95	7900	93016	SAN JUAN 29-7	#116	FOUTZ	934	0.00	20.00	
02/22/95	9501	93016	SAN JUAN 29-7		FOUTZ	831	0.00	20.00	
02/22/95	9502	89791	SAN JUAN 29-7	#109	FOUTZ	935	0.00	20.00	
02/22/95	9503	89791	SAN JUAN 29-7	#109	FOUTZ	835	0.00	20.00	
02/22/95	9504	89791	SAN JUAN 29-7	#109	FOUTZ	831	0.00	10.00	
02/22/95	9505	89791	SAN JUAN 29-7	#109	FOUTZ	934	0.00	10.00	
02/23/95		COOOX	NO HAUL TODAY	·.			0.00	0.00	
02/24/95	9506	<b>7</b> 5826	FLORANCE #47X		FOUTZ	935	10.00	20.00	9
02/24/95	<b>9</b> 507	75826	FLORANCE #47X		FOUTZ	132	10.00	20.00	9
02/24/95	9508	92417	GRAMBLING C #2	00	FOUTZ	432	0.00	20.00	
02/24/95	9509	75826	FLORANCE #47X		FOUTZ	831	10.00	20.00	9
02/24/95	9510	75826	FLORANCE #47X		FOUTZ	934	10.00	20.00	9
02/24/95	9511	75826	FLORANCE #47X		FOUTZ	835	10.00	20.00	9
02/24/95	9512	75826	FLORANCE #47X		FOUTZ	432	10.00	10.00	9
02/24/95	9513	89821	VALKER COM #2A		FOUTZ	831	20.00	10.00	9
02/24/95	9514	89821	WALKER COM #2A		FOUTZ	934	20.00	10.00	9
02/24/95	9515	89821	WALKER CON #2A		FOUTZ	132	20.00	10.00	9
02/24/95	9516	89821	WALKER COM #2A		FOUTZ	835	20.00	10.00	9
02/24/95	9517	89821	WALKER COM #2A		FOUTZ	935	20.00	10.00	9
02/24/95	9518	89821	WALKER COM #2A		FOUTZ	432	20.00	10.00	9
02/27/95	9519	89821	WALKER COM #2A		FOUTZ	934	20.00	30.00	9
02/27/95	<b>9</b> 520	89821	WALKER COM #2A		FOUTZ	935	20.00	20.00	9
02/27/95	9521	89821	WALKER CON #2A		FOUTZ	731	10.00	10.00	9
02/27/95	9522	89821	WALKER COM #2A		FOUTZ	132	10.00	20.00	9
02/27/95	9523	89821	WALKER COM #2A		FOUTZ	835	10.00	30.00	9
02/27/95	9524	89821	WALKER CON #2A		FOUTZ	432	10.00	20.00	9
02/28/95		COOXX	NO HAUL TODAY				0.00	0.00	

TOTALS: 260.00 420.00

CLIENT	: EL PASO N.G.	PAGE 1		٠.		
JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	02/21/95	NO HAUL TODAY	00000	0.00	0.00	
	02/22/95	SAN JUAN 29-7 #116	93016	0.00	40.00	
	02/22/95	SAN JUAN 29-7 #109	89791	0.00	60.00	•
	02/23/95	NO HAUL TODAY	0000X	0.00	0.00	
	02/24/95	FLORANCE #47X	75826	60.00	110.00	9
	02/24/95	GRAMPLING C #200	92417	0.00	20.00	
	02/27/95	WALKER COM #2A	89821	200.00	190.00	9
	02/28/95	NO HAUL TODAY	OCOXX	0.00	0.00	
			TOTALS :	250.00	420.00	

PAGE 1

Bol DATE	LOCATION	METER #	CONT	FILL
02/21/95	NO HAUL TODAY	00000	0.00	0.00
02/22/95	SAN JUAN 29-7 #109	89791	0.00	40.00
02/22/95	SAN JUAN 29-7 #111	90336	0.00	40.00
02/22/95	SAN JUAN 29-7 #116	93016	0.00	20.00
02/23/95	NO HAUL TODAY	X0000	0.00	0.00
02/24/95	FLORANCE #47X	75826	60.00	60.00
02/24/95	GRAMBLING C #200	92417	0.00	10.00
02/24/95	FLORANCE #114	92023	0.00	10.00
02/27/95	VALKER COM #2A	89821	200.00	240.00
02/28/95	NO HAUL TODAY	COOXX	0.00	0.00
	· .	TOTALS :	260.00	420.00

CLIENT:	EL PASO 2.	9. JOB # : .022 PAG	33 1		·		
DATE	T/NO. ME	R LOCATION	CARRIER	TRK #	CONT	FILL	CELL
02/13/95 02/13/95 02/13/95 02/13/95 02/14/95 02/14/95 02/14/95 02/15/95	7893 899 7894 899 7895 899 7896 899 7897 895 7898 895 7899 895 XXX	D J SIMMONS E #2A D J SIMONS E #2A D J SIMMONS E #2A D J SIMONS E #2A D J SIMONS E #2A D J SIMMONS E #2A D J SIMMONS E #2A D J SIMMONS E #	FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ B E I	935 432 934 835 935 934 6002	10.00 10.00 10.00 10.00 30.00 30.00 20.00 0.00	10.00 10.00 10.00 10.00 30.00 30.00 30.00 0.00	9 9 9 9
02/17/05 02/20/95	A H B			·	0.00	0.00	

Credit: 10 yds backfill from ticket # 7856 2/1/95 returned to Cranch Mess

TOTALS : 120.00

130.00

	SED RECAP : EL PASO N.G.	PAGE 1		4.		
JCB #	DATE COMF.	LOCATION	METER #	CONT	FILL	CELL
94022	02/13/95	D J SIMMONS E #2A	<sup>5</sup> 89924	40.00	40.00	9
	02/14/95	N E BLANCO UNIT #5A	89565	80.00	90.00	9
	02/15/95	NO HAUL TODAY	XXXCO	0.00	0.00	
	02/16/95	WO HAUL TODAY	XXO00	0.00	0.00	
	02/17/95	NO HAUL TODAY	X0000	0.00	0.00	
	02/20/95	HOLIDAY	HEHMI	0.00	0.00	
,*			TOTALS :	120.00	130.00	

BILL OF LADING RECAP				·
CLIENT: EL PACO N.G.	PAGE 1		٠.	
Bol DATE	LOCATION	METER #	CONT	FILL
02/13/95	D J SIMMONS E #2A	89924	40.00	40.00
02/14/95	N E BLANCO UNIT #5A	89565	80.00	90.00
		TOTALS :	120.00	130.00

CLII	ENT : EL PASO N.G.	PAGE 1		·		
JOB	# DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
9402	22 02/01/95	FLORENCE AE-1A	90547	200.00	230.00	8
	02/03/95	NUDGE #20	72912	430.00	470.00	8
	02/06/95	NICKLES #1	73034	40.00	80.00	8
	02/06/95	T L RHODES B-1E	95309	0.00	50.00	•
	02/06/95	TRUNK B LINE DRIP	NA005	0.00	10.00	٠.
	02/06/95	PAUL HALL #1	73284	0.00	10.00	
	02/06/95	ELLIOT A #2	87546	30.00	20.00	8
	02/07/95	HORTON #6	89797	0.00	20.00	
	02/07/95	McKENZIE #1	73392	10.00	30.00	8
	02/07/95	TRUNK D LOOP LINE DRIP	NA010	0.00	. 10.00	
	02/08/95	NO HAUL TODAY	XXXXX	0.00	0.00	
•	02/09/95	NO HAUL TODAY	XXXXO	0.00	0.00	
	02/10/95	L V HAMNER A #1A	90619	180.00	190.00	8
	02/10/95	RED FERN #7	93974	0.00	10.00	
	02/10/95	BRUINGTON #1E	90935	40.00	40.00	8

TOTALS :

930.00

1,170.00

CLIENT :	EL PAS	D N.G.	JOB # 22 PAGE 1	•				
DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	934	20.00	10.00	8 .
01/31/95		90547	FLORENCE AE-1A	FOUTZ	835	20.00	10.00	8
01/31/95		90547	FLORENCE AE-1A	FOUTZ	935	10.00	10.00	
01/31/95		90547	FLORENCE AE-1A	FOUTZ	131	20.00	10.00	8
01/31/95		90547	FLORENCE AE-1A	FOUTZ	431	20.00	10.00	8
01/31/95		90547	FLORENCE AE-1A	FOUTZ	831	20.00	10.00	8
		90547					30.00	
02/01/95	7851		FLORENCE AE-1A	FOUTZ	934	20.00		
02/01/95	7852	90547	FLORENCE AE-1A	FOUTZ	935	20.00	30.00	8
02/01/95	7853	90547	FLORENCE AE-1A	FOUTZ	431	20.00	30.00	8
02/01/95	7854	90547	FLORENCE AE-1A	FOUTZ	831	10.00	20.00	8
02/01/95	7855	90547	FLORENCE AE-1A	FOUTZ	131	10.00	30.00	8
02/01/95	7856	90547	FLORENCE AE-1A	FOUTZ	835	10.00	30.00	8
02/02/95	7857	72912	MUDGE #20)	FOUTZ	831	50.00	50.00	8
02/02/95	7858	72912	MUDGE #20 )	FOUTZ	131	50.00	50.00	8
02/02/95	7859	72912	MUDGE #20 /	FOUTZ	934	50.00	50.00	8
02/02/95	7860	72912	MUDGE #20	FOUTZ	835	50.00	50.00	8
02/02/95	7861	72912	MUDGE #20	FOUTZ	431	40.00	40.00	8
02/02/95	7862	72912	MUDGE #20 LS #2	FOUTZ	935	40.00	40.00	8
02/03/95	7863	72912	MUDGE #20 All corrected	FOUTZ	131	30.00	40.00	8
02/03/95	7864	72912	MUDGE #20 to read	FOUTZ	132	20.00	30.00	8
02/03/95	7865	72912	MUDGE #20 3/30/95	FOUTZ	934	30.00	30.00	8
02/03/95	7866	72912	1000 AT 40 A	FOUTZ	935	30.00	30.00	8
02/03/95	<b>7</b> 867	72912	MUDGE #20   Counte  MUDGE #20   Dinning	FOUTZ	835	20.00	30.00	8
02/03/95	7868	72912	MUDGE #20	FOUTZ	431	20.00	30.00	8
02/06/95	7869	73034	NICKLES #1	FOUTZ	934	10.00	20.00	
02/06/95	7870	73034	NICKLES #1	FOUTZ	935	10.00	20.00	8
02/06/95	7871	73034	NICKLES #1	B E I	6000	10.00	20.00	
			NICKLES #1	BEI	6002		20.00	8
02/06/95	7872	73034				10.00		
02/06/95	7873	95309	T L RHODES B-1E	FOUTZ	935	0.00	20.00	
02/06/95	7874	95309	T L RHODES B-1E	FOUTZ	934	0.00	10.00	
02/06/95	7875	NA005	TRUNK B LINE DRIP	BEI	6000	0.00	10.00	
02/06/95		73284	PAUL HALL #1	BEI	6002	0.00	10.00	
02/06/95	7877	95309	T L RHCDES B-1E	BEI .	6000	0.00	20.00	•
02/06/95	7878	87546	ELLIOT A #2	BEI	6002	30.00	20.00	
02/07/95	7879	89797	HORTON #6	FOUTZ	935	0.00	10.00	
02/07/95	<b>7</b> 880	89797	HORTON #6	FOUTZ	835	0.00	10.00	
02/07/95	7881	73392	McKENZIE #1	FOUTZ	132	10.00	10.00	8
02/07/95	<b>7</b> 882	NAO10	TRUNK D LOOP LINE DRIP	BEI	6002	0.00	10.00	
02/07/95	7883	73392	MCKENZIE #1	FOUTZ	935	0.00	10.00	
02/07/95	7884	73392	McKENZIE #1	FOUTZ	835	0.00	10.00	
02/08/95		XXXXX	NO HAUL TODAY			0.00	0.00	
02/09/95		XXXXO	NO HAUL TODAY			0.00	0.00	
02/10/95	7885	90619	L V HAMNER A #1A	FOUTZ	432	40.00	40.00	
02/10/95	7886	90619	L V HAMNER A #1A	FOUTZ	934	40.00	40.00	
02/10/95	7887	90619	L V HAMNER A #1A	FOUTZ	831	50.00	60.00	
02/10/95	7888	90619	L V HAMNER A #1A	FOUTZ	835	40.00	50.00	
02/10/95	<b>7</b> 889	93974	RED FERN #7	BEI	6003	0.00	10.00	
02/10/95	7890	90619	L V HAMNER A #1A	BEI	6003	10.00	0.00	
02/10/95	7891	90935	BRUINGTON #1E	FOUTZ	432	20.00	20.00	
02/10/95	7892	90935	BRUINGTON #1E	FOUTZ	934	20.00	20.00	8
. `			•					

TOTALS: 930.00 1,170.00

DIE: BILLING YARDAGE FOR PERIOD 02/01/95 TO 02/10/95 IS 820 CONT. AND 1,110 BACKFILL SEE FIRST 5 ENTRIES.

REQUEST FOR APPE TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: D. Foost 3/9/95	4. Name of Transporter
Verbal Approval Received: Yes We No	971.4
(Submitting this form for oilfield exempt waste is optional)  2. Destination	Riley
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	Meridian Oil
3. Address of Facility Operator	6. Name of Originating Site
907 West Anacha Farmington N.M 87401	mc Gooth SWA
7. Originating Location of Material (Street Address or ULSTR)	8. State
_	
T30N R12W, S34	New Mexico
Projected Dates(s) for Transportation: BRIEF DESCRIPTION OF THE MATERIAL:  Approximately 400 BBLS Of Sludge, Produce Well operation and Approximately 20 cu, Solids Also produced from Pisposal.	d by a certification of waste status from the ernment agency; two certificates per job. eccessary chemical analyses to prove e classified as hazardous by listing or testing only those consigned for transport.  A from Disposal  Bic Yards of well operations,
DECEIV	<b>這</b> 的
同值话题	- W
M and 1 0 1	720 720
~~~	·VIIa
OUT GOIM	9
OH COM.	. <b>&amp;</b>
	and the same start of the same
Estimated Volume 400 BBLS + 30 yd Known Volume (to be entered by the operator at the Information above is true and complete to the best of my knowledge and belief.  SIGNATURE	he end of the hauli: vd³
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE frais C. Sala TITLE CEO	DATE 3/9/95
	•
TYPE OR PRINT NAME Ph://: a C. Nobis Com	TELEPHONE NO. 325-0924

APPROVED BY Leving S. Fourt TITLE Goologist DATE 3/10/95

APPROVED BY Envir Baselo TITLE Geologist DATE 3/122/95

CONDITIONS OF APPROVAL, IF ANY:

1 101AL P.02



### TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Diawer 15250 Farmington, NM 87401 (505) 325-0924 327-1471

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

)5) 325-0924 147 \	Originating Sits: (Include Name, Section, Township, Range, 1/4, etc.)  MG SATA SWD  T30N R12W S 34
	This material originated:
,	In The State of New Mexico
	From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
	Source: BACKWHEN FILTER SLUDGE TANK (400 BOLS)  OILY DIET FROM SLUDGE TANK CHEM-OUT OFS (20 YDS)
Convert Temporo Convert	Destination: Tierra Environmental Corporation Crouch Messa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
Co. MEELIN I	TOPTCSENTATIVE FOR MERIDIAN OL
TOTI # of pages b	do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
	Signature Kevan C. Myan
•	Title ENTROUMENTAL SPECIALIST
	Addres 3535 F. 30th FARMINGTON
	Date 3-8-95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1 . RCRA Exempt: 母 Non-Exempt: □	4. Name of Transporter
Verbal Approval Received: Yes K No C (Submitting this form for oilfield exempt waste is optional)	Burlington
2. Destination	5. Generator
Tierra Croush Mesa Landfarm	El Paso Natural Gas
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington, NM 87401	See Attached List
7. Originating Location of Material (Street Address or ULSTR)	8. State
See Attached List	New Mexico

#### 9. Check One

- 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.
- All transporters must certify—that the wastes delivered are only those consigned for transport.

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Various dehydrator and drip pits at pit closure sites for January 1995



Estimated Volume	990	yd <sup>3</sup> K	(nown Volume (to be	entered by the operator at	the end of the haul):	yd³
I hereby certify that the in	nformation above is true	and complete to the				DATE 2/9/95
SIGNATURE		Carpor	TITLE _F	resident		DATE
TYPE OR PRINT NAM	ME Phillip	C. Nobis			TELEPHONE NO	(505) 325-0924
(This space for State Use		a -		2		~1.115
APPROVED BY	emy	1. Tou	TITL	Geol	oc, 15/	DATE <u>3/1/95</u>
APPROVED BY	Lexed /	Dorde	TITL	Ceolog	af	DATE 3/2/50
CONDITIONS OF APPROV	/AL. IF ANY:					



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Sites (Include Name Section Township Bases 1/4 etc.)
Site: (Include Name, Section, Township, Range, 1/4, etc.) A list of pit closure sites is attached. January 1995.
This material originated:
XX In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM
San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Natural Gas Company
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
Signature Signature Mulh
Title Sr. Compliance Scientist
Addres P.O. Box 4990; Farmington, NM 87499
February 8, 1995 Date

01/31/95

75319

Heath GC R #1

To Conn. e

31-30-09-N

32-30-09-G

CLIENT	: HL PASU N.G.	PAGE 1			•	
,4JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	01/03/95	ANNIE B#1	89898	60.00	70.00	8
	01/03/95	GALLEGOS CYN #301	93339	0.00	20.00	
	01/03/95	GALLEGOS CYN 160E	03904	30.00	10.00	8
	01/04/95	MARY ACKROYD #1	93156	20.00	30.00	8
	01/05/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	01/06/95	NO HAUL TODAY	OXXXX	0.00	0.00	
	01/09/95	NO HAUL TODAY	XXXOO	0.00	0.00	
	01/10/95	NO HAUL TODAY	XXOOO	0.00	0.00	
	01/11/95	STANDARD NICKLES #1	73287	0.00	10.00	
	01/11/95	COM #3	90541	0.00	10.00	
	01/12/95	HAUL CANCELED	XOXOX	0.00	0.00	
	01/13/95	NO HAUL TODAY	X0000	0.00	0.00	
	01/16/95	PINION 1E	93398	0.00	10.00 70.00	8
	01/16/95	BELL FED G.C. A#1E	73972	60.00		U
	01/17/95	NO HAUL WEATHER	00000	0.00	0.00	
	01/18/95	NO HAUL WEATHER	COOOX	0.00	0.00	
	01/19/95	NO HAUL TODAY	. XX000	0.00	0.00	
	01/20/95	NO HAUL TODAY	COXXX	0.00	0.00	
	01/23/95	LAT 3B-39 LINE DRIP	NA005	. 60.00	170.00	8
		LAT 3B-38 LINE DRIP	NA010	0.00	40.00	Ū
	01/23/95			0.00	20.00	
	01/23/95	LAT A-30 LINE DRIP	NA015		40.00	
	01/23/95	HOVELL L #3	70053	0.00		
	01/23/95	FEDERAL R #2	94925	50.001	60.00	8
	01/23/95	GALE 1R	94763	40.00	10.00	8
	01/23/95	FEDERAL E #5	90709	20.001	0.00	8
	01/24/95	FLORENCE #103	94464	0.00	20.00	
	01/24/95	HEATON A-1E	95166	0.00	10.00	
	01/25/95	MOLLY PITCHER #1	90018	70.00	90.00	8
	01/25/95	PINION #1	87393	120.00	160.00	8
	01/25/95	AZTEC #2E	93110	60.00	30.00	8
	04 /06 /05	CADDENTED #10	02070	0.00	60 00	
	01/26/95	CARPENTER #1E	93070		60.00	8
	01/26/95	HOUCK A-1A	89881	90.00	80.00	0
	01/27/95	NO HAUL WEATHER	OXXXX	0.00	0.00	
	01/30/95	VIERSON #1	72109	10.00	50.00	8
	01/30/95	FIVE OF DIAMONDS	93267	10.00	20.00	8
	01/30/95	KNIGHT #1	72556	60.00	80.00	8
	01/30/95	MEXICO FED L-1R	94911	30.00	30.00	8
	01/30/95	MEXICO FED L-1E	90840	60.00	10.00	8
		and the second of the second of the second			~~.	-

)B # 1	DATE COMP.	LOCATION		METER #	CONT .	FILL	CELL	
1022 (	01/31/95	N M COM G1		74943	80.00	120.00	8	
(	01/31/95	HEATH G.C.	C-1A	89932	20.00	40.00	8	
(	01/31/95	HEATH G.C.	#K1	75319	40.00	40.00	8	
				TOTALS :	990.00	1,410.00	·	
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\*CLIENT : EL PASO N.G. JOB # . 4022 PAGE 1

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DATE	T/NO.	METER	LOCATION	CARRIER.	TRK #	CONT	FILL	CELL
01/03/95	1706	89898	ANNIE B#1	FOUTZ	831	20.00	20.00	8
01/03/95	1707	89898	ANNIE B#1	FOUTZ	934	20.00	20.00	8
01/03/95	1708	93339	GALLEGOS CYN #301	FOUTZ	935	0.00	20.00	
01/03/95	1709	89898	ANNIE B#1	FOUTZ	835	20.00	30.00	8
01/03/95	1710	03904	GALLEGOS CYN 160E	FOUTZ	935	20.00	10.00	
01/03/95	1711	03904	GALLEGOS CYN 160E	FOUTZ	835	10.00	0.00	8
01/03/95	1712	93156	MARY ACKROYD #1	FOUTZ	934	10.00	10.00	8.
01/04/95	1713	93156	MARY ACKROYD #1	FOUTZ	93 <del>4</del> 935	10.00	20.00	
01/05/95	1/10	XXXXX	NO HAUL TODAY	10012	900	0.00	0.00	٠.
01/05/95		XXXXX	NO HAUL TODAY			0.00	0.00	
01/09/95		XXXCO	NO HAUL TODAY			0.00	0.00	
01/10/95		XXOOO	NO HAUL TODAY			0.00	0.00	•
01/11/95	1714	73287	STANDARD NICKLES #1	FOUTZ	431	0.00	10.00	
01/11/95	1715	90541	CON #3	FOUTZ	431	0.00	10.00	•
01/12/95	1110	XOXOX	HAUL CANCELED	ILIU LE	40.1	0.00	0.00	
01/12/95		XOOOO	NO HAUL TODAY			0.00	0.00	
	1716			<b>ምር</b> ህየም/7	005			
01/16/95	1716	93398	PINION 1E	FOUTZ	835	0.00	10.00	0
01/16/95	1717	73972	BELL FED G.C. A#1E	FOUTZ	935	20.00	20.00	8
01/16/95	1718	73972	BELL FED G.C. A#1E	FOUTZ	431	20.00	30.00	8
01/16/95	1719	73972	BELL FED G.C. A#1E	FOUTZ	132	20.00	20.00	8
01/17/95		00000	NO HAUL WEATHER			0.00	0.00	
01/18/95		0000X	NO HAUL WEATHER			0.00	0.00	
01/19/95		OCOXX	NO HAUL TODAY			0.00	0.00	
01/20/95		OOXXX	NO HAUL TODAY			0.00	0.00	_
01/23/95	1720	NA005	LAT 3B-39 DINE DRIP	FOUTZ	431	10.00	20.00	8
01/23/95	1721	NA005	LAT 3B-39 LINE DRIP	FOUTZ	131	10.00	40.00	8
<b>0</b> 1/23/95	1722	NA005	LAT 3B-39 LINE DRIP	FOUTZ	934	10.00	40.00	8
01/23/95	1723	NA005	LAT 3B-39 LINE DRIP	FOUTZ	731	10.00	20.00	8
01/23/95	1724	NA010	LAT 3B-38 LINE DRIP	FOUTZ	835	0.00	40.00	
01/23/95	1725	NA005	LAT 3B-39 LINE DRIP	FOUTZ	. <b>935</b>	10.00	30.00	8
01/23/95	1726	NA015	LAT A-30 LINE DRIP	FOUTZ	L-64	. 0. 00	20.00	
01/23/95	1727	70053	HOWELL L #3	FOUTZ	409	0.00	20.00	
01/23/95	1728	70053	HOWELL L #3	FOUTZ	. 132	0.00	20.00	
01/23/95	1729	NA005	LAT 3B-39 LINE DRIP	FOUTZ	831	10.00	20.00	8
01/23/95	1730	94925	FEDERAL R #2	FOUTZ	L-64	10.00	10.00	8
01/23/95	1731	94925	FEDERAL R #2	FOUTZ	731	10.00	20.00	8
01/23/95	1732	94763	GALE 1R	FOUTZ	L-64	10.00	0.00	8
01/23/95	1733	94925	FEDERAL R #2	FOUTZ	131	10.00	0.00	8
01/23/95	1734	94925	FEDERAL R #2	FOUTZ	835	10.00	0.00	8
01/23/95	1735	94763	GALE 1R	FOUTZ	731	20.00	10.00	8
01/23/95	1736	94763	GALE 1R	FOUTZ	431	10.00	0.00	8
01/23/95	1737	90709	FEDERAL E #5	FOUTZ	934	10.00	0.00	8
01/23/95	1738	90709	FEDERAL E #5	FOUTZ	935	10.00	0.00	8
01/23/95	1955	94925	FEDERAL R #2	FOUTZ	431	10.00	20.00	8
01/23/95	1956	94925	FEDERAL R #2	FOUTZ	935	0.00	10.00	
01/24/95	1739	94464	FLORENCE #1.03	FOUTZ	831	0.00	10.00	
.01/24/95	1740	94464	FLORENCE #103	FOUTZ	934	0.00	10.00	
01/24/95	1741	95166	HEATON A-1E	FOUTZ	935	0.00	10.00	
01/24/95	1742	90018	MOLLY PITCHER #1	FOUTZ	431	10.00	10.00	8
01/24/95	1743	90018	NOLLY PITCHER #1	FOUTZ	835	20.00	20.00	8
01/24/95	1744	90018	MOLLY PITCHER #1	FOUTZ	731	20.00	20.00	8
01/25/95	1745	87393	PINION #1	FOUTZ	831	20.00	30.00	8
01/25/95	1746	87393	PINION #1	FOUTZ	731	20.00	30.00	8
01/25/95	1747	90018	MOLLY PITCHER #1	FOUTZ	131	10.00	20.00	8
01/25/95	1748	90018	MOLLY PITCHER #1	FOUTZ	934	10.00	20.00	8
01/25/95	1749	87393	PINION #1	FOUTZ	132	30.00	40.00	8
01/25/95	1750	37393	PINION #1	FOUTZ	835	20.00	30.00	8
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CLIENT	:	EL	PASO	M.G.	JOB #	4022	PAGE 2

•			•	•			•	
• DATE	T/NO.	NETER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
01/25/95	7701	87393	PINION #1	FOUTZ	131	20.00	20.00	8
01/25/95	7702	87393	PINION #1	FOUTZ	934	10.00	10.00	8
01/25/95	7703	93110	AZTEC #2E	FOUTZ	934	10.00	10.00	8
01/25/95	7704	93110	AZTEC #2E	FOUTZ	731	20.00	10.00	1.8
01/25/95	7705	93110	AZTEC #2E	FOUTZ	132	20.00	10.00	8
01/25/95	7706	93110	AZTEC #2E	FOUTZ	131	10.00	0.00	8
01/26/95	7707	93070	CARPENTER #1E	FOUTZ	731	0.00	20.00	
01/26/95	7709	93070	CARPENTER #1E	FOUTZ	132	0.00	20.00	
01/26/95	7710	93070	CARPENTER #1E	FOUTZ	. 431	0.00	20.00	
01/26/95	7711	89881	HOUCK A-1A	FOUTZ	934	20.00	20.00	
01/26/95	7712	89881	HOUCK A-1A	FOUTZ	831	20.00	20.00	
01/26/95	7713	89881	HOUCK A-1A	FOUTZ	935	20.00	20.00	
01/26/95	7714	89881	HOUCK A-1A	FOUTZ	835	20.00	20.00	
01/26/95	7715	89881	HOUCK A-1A	FOUTZ	431	10.00	0.00	
01/27/95		OXXXX	NO HAUL WEATHER			0.00	0.00	
01/30/95	7716	72109	VIERSON #1	FOUTZ	431	10.00	10.00	8
01/30/95	7717	72109	VIERSON #1	FOUTZ	934	0.00	20.00	
01/30/95	7718	72109	VIERSON #1	FOUTZ	831	.0.00	20.00	
01/30/95	7719	93267	FIVE OF DIAMONDS		835	10.00	20.00	8
01/30/95	7720	72556	KNIGHT #1	FOUTZ	<b>9</b> 35	20.00	30.00	
01/30/95	7721	94911	MEXICO FED #1	FOUTZ	831	10.00	10.00	8
01/30/95	7722	94911	MEXICO FED #1	FOUTZ	431	10.00	10.00	8.
01/30/95	7723	94911	MEXICO FED L-1R	FOUTZ	934	10.00	10.00	8
01/30/95	7724	72556	KNIGHT #1	FOUTZ	409	10.00	20.00	8
01/30/95	7725	72556	KNIGHT #1	FOUTZ	831	10.00	10.00	8
01/30/95	7726	72556	KNIGHT #1	FOUTZ	934	10.00	10.00	8
01/30/95	7727	72556	KNIGHT #1	FOUTZ	835	10.00	10.00	8
01/30/95	7728	90840	MEXICO FED L-1E	FOUTZ	431	20.00	10.00	8
01/30/95	7729	90840	MEXICO FED L-1E	FOUTZ	831	10.00	0.00	8
01/30/95	7730	90840	MEXICO FED L-1E	FOUTZ	934	10.00	0.00	8
01/30/95	7731	90840	MEXICO FED L-1E	FOUTZ	835	10.00	0,00	8
01/30/95	7732	90840	MEXICO FED L-1E	FOUTZ	935	10.00	0.00	8
01/31/95	<b>7</b> 733	74943	N M COM G1	FOUTZ	· 431	20.00	30.00	8
01/31/95	7734	74943	N M COM G1	FOUTZ	831	20.00	30.00	8
01/31/95	7735	74943	N M COM G1	FOUTZ	131	10.00	20.00	8
01/31/95	7736	74943	N M COM G1	FOUTZ	<b>83</b> 5	10.00	20.00	8
01/31/95	7737	89932	HEATH G.C. C-1A	FOUTZ	935	10.00	20.00	8
01/31/95	7738	89932	HEATH G.C. C-1A	FOUTZ	934	10.00	20.00	8
01/31/95	7739	74943	N M COM G1	FOUTZ	935	10.00	10.00	8
01/31/95	7740	74943	N M CON G1	FOUTZ	934	10.00	10.00	8
01/31/95	7741	75319	HEATH G.C. #K1	FOUTZ	835	10.00	10.00	8
01/31/95	7742	75319	HEATH G.C. #K1	FOUTZ	131	10.00	10.00	8
01/31/95	7743	75319	HEATH G.C. #K1	FOUTZ	431	10.00	10.00	8
01/31/95	7744	75319	HEATH G.C. #K1	FOUTZ	831	10.00	10.00	8

TOTALS: 990.00 1,410.00

RF TFRAPPF L-TO ACCEPT SOLID WASTE  1. RCRA Exempt: Noempt: XX D. Foust-1/18/95  Verbal Approval Received: Yes XX No. CERVICON DIVIS	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Verbal Approval Received: Yes Ex Nov DERILLION DIVIS	Boug Foutz
2. Destination 95 FE 13 AM 8 5	5. Generator
Tierra Environmental Corp.Landfarm  3. Address of Facility Operator	Gary Williams Energy  6. Name of Originating Site
<ul><li>907 W. Apache, Farmington, NM 87401</li><li>7. Originating Location of Material (Street Address or ULSTR)</li></ul>	Chromo 8. State
Sec 4 T32N R1E, Archuleta County	Colorado

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, certificate per job.
- Max. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- Q. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for trans

BRIEF DESCRIPTION OF THE MATERIAL:

Pup turn over on January 17, 1995 spilling crude oil on Hwy. 84

PECEIVED DEGETVED
FEB 1 4 1995

OIL CON. DIV. OIL CON. DIV.
DIST. 3

15 00 11 1	the same
Estimated Volume 15-20 bbls. yd Known Volume (to be entered by the	operator at the end of the haull:
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	-
SIGNATURETITLE _Special I	Projects Manager DATE 2/6/95
TYPE OR PRINT NAME Connie Dinning	TELEPHONE NO. (505) 325-0924
(This space for State Use)	
APPROVED BY Denny S. Temy TITLE GE	0/09/3/ DATE 2/9/9)
APPROVED BY TITLE GEO	DLEGIST DATE 2-13-9
. •	

CONDITIONS OF APPROVAL, IF ANY: SF 2/9/95

	95002
REQUEST FOR APPI. AL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: XX D. Foust-1/18/95  Verbal Approval Received: Yes XX No (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter  Doug Foutz
2. Destination	5. Generator
Tierra Environmental Corp.Landfarm	Gary Williams Energy
3. Address of Facility Operator	6. Name of Originating Site
907 W. Apache, Farmington, NM 87401	Chromo
7. Originating Location of Material (Street Address or ULSTR)	8. State
Sec 4 T32N R1E, Archuleta County	Colorado
9 Check One	

- A. All requests for approvel to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; certificate per job.
- 图题. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- □ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transp

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Pup turn over on January 17, 1995 spilling crude oil on Hwy. 84



Estimated Volume	15-20 bbls.	yd³ Known Volume (to be entered i	by the operator at the end of the hauil:	Maria Salah
hereby certify that t		npiete to the pest of my knowledge and be		*
SIGNATURE F	1	TITLESpeci	ial Projects Manager	DATE 2/6/95
TYPE OR PRINT	NAME Connie Dinning	ıg	TELEPHONE NO	o. <u>(505) 325-0924</u>
(This space for State	•			
APPROVED BY	Henry Z.	Tent TITLE	GeologIST	DATE 2/9/95
7				<del>-</del> 77
APPROVED BY		TITLE		DATE
	•			
CONDITIONS OF APP				
Santa Fe	2/9/95			. / '



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## CERTIFICATE OF WASTE STATUS NON-EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.) OFF HWY 84 IN CHROMO, CO NEXT TO SCHUTZ RANCIT
UN HOUY 87 IN CHROND, CO WAS TO SCHOOL TO THE
Source: CLEANUP OF CONTAMINATED SOIL AND DEBRIS
FROM SPILL OF APPROXIMATELY ZO BBLS OF
CRUDE OIL AS RESULT OF OVERTURNING A
CRUBE TRANSPORT TRUCK PUP.
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 Wes
NMPM,
San Juan County, New Mexico
I CHRIS HAWLEY ENVIRONMENTAL MER representative for CARY-WILLIAM'S ENERGY CORPORATION
FOR CARY-WILLIAM'S ENERGY CORPORATION
do hereby certify that the waste described above is non-exempt, according to the
Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.
Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.
hazardous by characteristic analysis or by product identification.
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  X MSDS Information
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  X_MSDS Information X_RCRA TCLP Analysis
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)
hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)

# CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

$\eta_{o}$ ,	
I have reviewed the enclosed information concerning RCRA exempt material from	
L'HICOMO, COLARADO (ARCHILLETTA CO) and do agree that the material	
is non-hazardous and therefore exempt from regulation by the Resourse Conservation and	
Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.	
The material is exempt from regulation because it is classified as non-hazardous oilfield	
waste by definition.	
The material is exempt from regulation by characteristic analysis.	
The material is exempt from regulation by product identification.	
As a representative for Archuleta County, I have no	
objections to the material being removed to New Mexico.	
Name: Russell L. Crowley Title: Director	F
Name: Russell L. Crowley Title: Director	
Signature Russell & Crowley Date 1-18-95 REMON	1121
· · · · · · · · · · · · · · · · · · ·	
Agency Archuleta County, Designated Emergency Response Autho-Ait for	LR E
Ficty	
Address P.O. Box 1507 449 San Juan Pagosa Springs, CO 81147.	
Phone (303) 264-4440	



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 320-4009 . 110 S. COMMERCIAL AVE. . FARMINGTON, NM 87481

FINAL ANALYSIS REPORT

Company: Address:

Gary Energy P.O. Box 159 Bloomfield, NM 87419

1/26/95 5J1152 Date: Lab #:

Project Name:

City, State:

95002

Location: Sampled by: Analyzed by: Sample Type: Soil

\*\*\*\*\*

Chromo, Colorado CD 1 SW 1 Date: Date:

1/19-20/95 Time: 1400 1/20/95 Time: 1149 Sample Condition: Intact

Units: mg/kg

Samp

<b>f</b>	FIELD CODE	TRPHC
7 IWA	t End of Culvert t Side of Pit t Side - Bottom of Pit t Side of Road	180.3 12.2 27.0 1.9

QC Recovery QC Spike	85.3
Accuracy	96.98

Methods WERARED SPECTROSCOPY \SW-846; 418.1, 3540 OR 3510

1-26-45



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 . 118 S. COMMERCIAL AVE. . FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: SJ1152 Project Name: 95002

Project Location: CHROMO, COLORADO

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVIT	Y CORROSIVITY	IGNITABILITY
		H2S/kg HC	N/kg	(°F)

ANALYSIS DATE		01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF	0.24	<0.03	7.52	>140
	EXCAVATED SOIL				
	· · · · · · · · · · · · · · · · · · ·				
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent D	Difference	NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010

Wen Li

1-31-95

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95

Project Number: \$J1152 Project Name: 95002

Project Location: CHROMO COLORADO

ARDINAL LABORATORIES

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: SJ1152-5

Analysis Date: 01/31/95

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method		**	True Value
TCLP VOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%IA	QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	6.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	108	106	100
Carbon tetrachloride	0.50	0.001	<0.001	- <0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0.001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1 -
Toluene - d8	101	1 :
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

Scott A. Latimer, Chemist

1-31-95

Jate



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: \$J1152 Project Name: 95002

Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: \$J1152-5

Analysis Date: 01/31/95 Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method			True Value
TCLP SEMIVOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%IA	QC
Pyridine	5.00	0.002	<0.002	<0.002	53.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	98	50
o-Cresol	200	0.002	<0.002	<0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachloroethane	3.00	0.002	<0.002	<0.002	51.0	102	50
Nitrobenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	50
2,4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	96	50
2,4,5-Trichlorophenol	400	0.002	<0.002	<0.002	47.0	94	50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.0021	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE	
Fluorophenol	75	3	_
Phenol-d5	MI	1	
Nitrobenzene-d5	93	3	٦.
2-Fluorobiphenyl	102	1	
2,4,6-Tribromophenal	111	3	
Terphenyl-d14	93	4	$\neg$

**METHODS: EPA SW 846-8270** 

MI-Matrix Interference

Scott A. Latimer, Chemist

1-71-95

Date



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

February 1, 1995

Roger Anderson
Director of Environmental Services
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

GARY WILLIAMS GREEGY
CORR

RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Remediation of contaminated soil at Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

Attached please find copies of the TCLP analyses run for the contaminated soil from the above referenced spill. All the contaminants are within the acceptable range to render the material exempt by characteristic analysis.

We hereby request permission to spread the soil in an operating cell on the Crouch Mesa Landfarm to begin remediation.

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD ENC



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 78603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 67401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: SJ1152 Project Name: 95002

Project Location: CHROMO, COLORADO

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTAC

Sample Received By: SW

Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY	
		H2S/kg	HCN/kg		(*F)	
ANALYSIS DATE:		01/24/95	01/24/95	01/24/95	01/30/95	
SJ1152-5	COMPOSITE OF	0.24	<0.03	7.52	>140	
	EXCAVATED SOIL					
Quality Control		NR	NR	6.96	NR	
True Value QC		NR	NR	7.00	NR	
% Accuracy		NR	NR	99	NR	
Relative Percent	Difference	NR	NR	0	NR	

METHOD: EPA SW 846-7.3, 7.2, 1010

Wen Li

1-31-95



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: SJ1152

Project Name: 95002
Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: SJ1152-5

Analysis Date: 01/31/95

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method		7	rue Value
TCLP VOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%IA	QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	6.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	108	106	100
Carbon tetrachloride	0.50	0.001	<0.001	- <0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0,001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1
Toluene - d8	101	1
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

Scott A. Latimer, Chemist

1-31-95

Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: 9J1152 Project Name: 95002

Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: \$J1152-5

Analysis Date: 01/31/95 Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method			True Value
TCLP SEMIVOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%IA	QC
Pyridine	5.00	0.002	<0.002	<0.0021	63.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	88	50
o-Cresol	200	0.002	<0.002	< 0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachioroethane	3.00	0.002	<0.0021	<0.002	61.0	1021	50
Nitropenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	- 50
2.4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	96	50
2,4,5-Trichlorophenol	400	0.002	<0.002	<0.002	47.0	94	. 50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.002	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE
Fluorophenol	75	3
Phenol-d5	MI	1
Nitrobenzene-d5	93	3
2-Fluorobiphenyl	102	1
2.4,6-Tribromophenal	111	3
Terphenyi-d14	93	4

METHODS: EPA SW 846-8270

MI-Matrix Interference

Scott A. Latimer, Chemist

1-31-95

Date



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

January 30, 1995

Roger Anderson
Director of Environmental Services
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

GARY WILLIAMS ENERGY

RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Transport of contaminated soil to Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

In the interest of public health and safety, the Archuleta County Emergency Management Safety Designated Emergency Response Authority, Mr. Russell Crowley, authorized the transport of the contaminated material referenced above. The form providing this authorization is attached. The material is currently stored at the Crouch Mesa Landfarm in a bermed area on a plastic liner away from normal operations awaiting results of a TCLP analysis.

ACTEC DOD OFFICE GAVE NERBAL APPROVAL TO STORE THE MAKERIAL AT COO.

Sincerely

THE TIERRA LANDFORM ON JANUARY 18, 1995.

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD ENC

# CERTIFICATE FROM OUT OF STATE AGENCY NUMBER AUTHORIZING REMOVAL OF RCRAMEXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

$l_{D_{i,j}}$	
I have reviewed the enclosed information concerning RCRA exempt material from	
_ [HROMO, COLARADO (ARCHILLETTA Co) and do agree that the	
is non-hazardous and therefore exempt from regulation by the Resourse Conser	vation and
Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.	
The material is exempt from regulation because it is classified as non-hazardo waste by definition.	ous oilfield
The material is exempt from regulation by characteristic analysis.	
The material is exempt from regulation by product identification.	
As a representative for Archuleta County, I	have no
objections to the material being removed to New Mexico.	
	•
THE MATERIAL IS CREATING AN IMMEDIATE TO HEALTH SAF	FTU NO THE
Discourse of the second of the	C1/ C2 111E
Name: Russell L. Crowley Title. Director	
Name: Russell L. Crowley Title: Director	
	HAD MUST CEMBURD IthoAi Excure
Signature Russell & Crowley Date 1-18-95	HAD MUST  ICEMOVED  ITHOAI EXCURE  FACILITY



CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## TIERRA ENVIRONMENTAL CORPORATION

February 1, 1995

RECEIVED FEB - 3 1995

OIL CON. DIV. DIST. 3

Roger Anderson Director of Environmental Services Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87505

RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Remediation of contaminated soil at Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

Attached please find copies of the TCLP analyses run for the contaminated soil from the above referenced spill. All the contaminants are within the acceptable range to render the material exempt by characteristic analysis.

We hereby request permission to spread the soil in an operating cell on the Crouch Mesa Landfarm to begin remediation.

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD ENC



PHONE (915) 673-7001 • 2111 BEECHWOOD: • ABILENE, TX.79603.

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

RECEIVED

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

OIL CON. DIV.

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: SJ1152 Project Name: 95002

Project Location: CHROMO, COLORADO

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY
		H2S/kg	HCN/kg		(°F)
ANALYSIS DAT	E:	01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF	0.24	<0.03	7.52	>140
	EXCAVATED SOIL				
	<del></del>				
	***				
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent	Difference	NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010

Wei Li

1-31-95



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4689 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: SJ1152 Project Name: 95002

LABORATORIES

Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: SJ1152-5

Analysis Date: 01/31/95 Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method		• 1	rue Value
TCLP VOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%IA	QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	6.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	106	106	100
Carbon tetrachloride	0.50	0.001	<0.001	· <0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0.001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1 -
Toluene - d8	101	1 -
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

Scott A. Latimer, Chemist

1-31-95

Jate



PHONE (915) 673-7001 • 2111 BEECHWOOD---- ABILENE-TX-79803-

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

RECEIVED

ANALYTICAL RESULTS FOR GARY ENERGY PO BOX 159 BLOOMFIELD, NM 87419

OIL CON. DIV.

Receiving Date: 01/24/95 Reporting Date: 01/31/95 Project Number: 9J1152 Project Name: 95002

Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: \$J1152-5

Analysis Date: 01/31/95 Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

	EPA	Detection	Sample Result	Method			True Value
TCLP SEMIVOLATILES (ppm)	LIMIT	Limit	SJ1152-5	Blank	QC	%iA	QC
Pyridine	5.00	0.002	<0.002	<0.002	53.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	98	50
o-Cresol	200	0.002	<0.002	<0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachloroethane	3.00	0.002	<0.002	<0.002	51.0	102	50
Nitrobenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	50
2,4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	96	50
2,4,5-Trichlorophenoi	400	0.002	<0.002	<0.002	47.0	94	50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.002	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE
Fluorophenol	75	3
Phenol-d5	MI	1
Nitrobenzene-d5	93	3
2-Fluorobiphenyl	102	1
2,4,6-Tribromophenal	111	3
Terphenyl-d14	93	4

METHODS: EPA SW 846-8270

MI-Matrix Interference

Scott A. Latimer, Chemist

1-31-95

Date



### **TIERRA** Environmental Corporation

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

January 30, 1995

OIL CON. DIV. DISTL 3

Roger Anderson Director of Environmental Services Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87505

Gary Transportation RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Transport of contaminated soil to Tierra Crouch Mesa Landfarm.

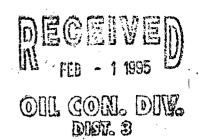
Dear Mr. Anderson

In the interest of public health and safety, the Archuleta County Emergency Management Safety Designated Emergency Response Authority, Mr. Russell Crowley, authorized the transport of the contaminated material referenced above. The form providing this authorization is attached. The material is currently stored at the Crouch Mesa Landfarm in a bermed area on a public normal operations awaiting results of a TCLP analysis. Transported under DCF verbal qutharty

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD **ENC** 



# CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRANEXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

$l_{o}$
I have reviewed the enclosed information concerning RCRA exempt material from
is non-hazardous and therefore exempt from regulation by the Resourse Conservation and
Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.
The material is exempt from regulation because it is classified as non-hazardous oilfield
waste by definition.
The material is exempt from regulation by characteristic analysis.
The material is exempt from regulation by product identification.
As a representative for Archuleta County, I have no
objections to the material being removed to New Mexico.
The
The MATERIAL IS CREATING AN IMMEDIATE TO HEALTH SAFETY OR THE
Name: Russell L. Crowley Title: Director
R 114 P D AND MUST B
Signature Russell & Crowley Date 1-18-95 AND MUST B
Agency Archuleta County, Designated Emergency Response Authority was
FACILITY
Address P.O. Box 1507 449 San Juan Pagosa Springs, CO 81147.
Address
Phone (303) 264-4440

### District I (505) 393-6161

P.O. Box 1940 Hobbs, NM 88241-1980

### District II (505) 748-1283

811 S. First Artesia, NM 88210

Aztec, NM 87410

District III (505) 334-6178 1000 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 4/18/95

> Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SO	OLID WASTE 94022
1. RCRA Exempt: ■ Non-Exempt: ■ DATE: 06/30/95	4. Generator
Verbal Approval Received: Yes ■ No □ By: DENNY FOUST	EL PASO NATURAL GAS
2. Management Facility Destination	5. Originating Site
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	SEE ATTACHED LIST
Address of Facility Operator	6. Transporter
420 CR. 3100 AZTEC, NM 87410	PHILIP ENVIRONMENTAL
7. Location of Material (Street Address or ULSTR)	8. State
SEE ATTACHED LIST	NEW MEXICO
9. Check One	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> </ul>	certificate of waste from the Generator; one
B. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste c will be approved.	
All transporters must certify that the wastes delivered are only th	ose consigned for transport.
BRIEF DESCRIPTION OF THE MATERIAL:	·
BRIEF DESCRIPTION OF THE MATERIAL:	
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during	Peceiven
BRIEF DESCRIPTION OF THE MATERIAL:	
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during	PEGEIVED MAR 1 5 1996
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during	Received
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995	PEGEIVED MAR 1 5 1996
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during	PECEIVED  MAR 1 5 1996  OUL CON. DUV.  DUST. 3
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995  Estimated Volume	PEGELVED  MAR 1 5 1996  OIL CON. DIV.  DISTE 3  Attor at end of haul): 260 yd 3
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995  Estimated Volume	DEGE VED  MAR 1 5 1996  OIL CON. DIV.  DISTE 3.  Mor at end of haul): 260 yd3  IGR. DATE 3-11-94
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995  Estimated Volume	PEGELVED  MAR 1 5 1996  OIL CON. DIV.  DISTE 3  Attor at end of haul): 260 yd 3
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995  Estimated Volumeyd³ Known Volume (to be entered by the opera  SIGNATURE	MAR 1 5 1996  OIL CON. DIV.  DISTE 3  Ator at end of haul): 260 yd3  IGR. DATE 3-11-96
BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during JUNE 1995  Estimated Volume	MAR 1 5 1996  OIL CON. DIV.  DISTE 3  Ator at end of haul): 260 yd3  IGR. DATE 3-11-96



CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

Blaine - I believe this is the info. you requested (ast week.

let me know tf yor need more info. P&m.

## TIERRA ENVIRONMENTAL CORPORATION

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating
Site: (Include Name. Section, Township, Range, 1/4, etc.) A list of pit closure sites is attached.
This material originated:
In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4. Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Matural Gas Company
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal. State or Local law, regulation or ordinance.  Signature
Title Sr. Compliance Scientist
Addres 2.0. 30x 4990: Farmington, NM 87499

7/10/95

CLOSED	Tierra
CLOSED   METER   METER2   LOCATION	
Canada Mesa Com	STRI
au com	#4 C 10-24-6-A

### **EL PASO JUNE 1995**

<u>DATE</u>	<b>LOCATION</b>	<u>METER</u>	<b>CONT</b>	<u>FILL</u>	<u>CELL</u>
6/7/95	CANADA MESA COM #4 cpu	3908	40.00	40.00	9
6/14/95	JACQUEZ #3 (RE-WORK)	93828	210.00	190.00	9
6/21/95	LINDRITH PIG SYS. #Y1	NA005	10.00	0.00	9
		₩.	SUM: S	UM:	

> Remarder went to Envivotech (?)

230.00

260.00

### EL PASO N.G. PIT PROJECT JUNE 1995

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK#	CONT/YDSBACE	K/YDS	CELL
6/7/95	9610	3908	CANADA MESA COM #4 cpu	FOUTZ	831	10.00	10.00	9
6/7/95	9611	3908	CANADA MESA COM #4 cpu	FOUTZ	934		10.00	9
6/7/95	9612	3908	CANADA MESA COM #4 cpu	FOUTZ	132		10.00	9
6/7/95	9613	3908	CANADA MESA COM #4 cpu	FOUTZ	835	10.00	10.00	9
6/13/95	9614	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	432	40.00	40.00	9
6/13/95	9615	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	831	40.00	40.00	9
6/13/95	9616	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	934	40.00	40.00	9
6/13/95	9617	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	132	30.00	30.00	9
6/13/95	9618	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	835	30.00	30.00	9
6/14/95	9619	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	831	10.00	0.00	9
6/14/95	9620	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	131	10.00	0.00	9
6/14/95	9623	93828	JACQUEZ #3 (RE-WORK)	BEI	6003	10.00	10.00	9
6/21/95	9621	NA005	LINDRITH PIG SYS. #Y1	FOUTZ	934	10.00	0.00	9
						260.00 23	30.00	

1300

Miles travelled

Departure time 09:00 Return time 12:00 27

#### Inspection results:

TIERRA LANDFARM OFFICE TO MEET WITH PHIL NOBIS FOR A VOLUNTARY COOPERATIVE REVIEW OF DOCUMENTS RECORDING WASTE ENTERING THE LANDFARM. ALL MATERIALS ARE RECORDED ON OCD DESIGNED AND/OR REQUIRED FORMS. WE FOUND ONLY ONE HOLE IN THE DOCUMENTATION WHICH INVOLVED EPNG PIT CLOSURES FOR EXEMPT WASRES. TIERRA WILL WILL DOCUMENT THESE MATERIALS FROM DATA ON FILE-THIS GLITCH HAPPENED DURING MOVING THE OFFICE AND FILES. I HAVE RECOMMENDED TIERRA TO WORK ON KEEPING AN UPDATED CHRONOLOGICAL FILE FOR REFERENCE TO LANDFARM MATERIALS-THIS IS BASICALLY WHAT HAS BEEN DONE IN THE PAST BUT WAS NOT UPDATED AFTER THE MOVE. INSPECTING THE LANDFARM WITH PHIL NOBIS SHOWS WE HAVE A CONTINUING PROBLEM WITH GETTING MATERIALS WHICH ARE SATURATED SPREAD DURING THE PERMITTED TIME PERIOD. THE MAJORITY OF THESE MATERIALS ARE STABILIZED MATERIALS FROM SUNCO AND BASIN DISPOSALS--PHIL NOBIS WILL SUBMIT A LETTER TO SANTA FE OUTLINING THE PROBLEM.

日本 网络鳄 经禁气计算 一个一个

Inspection H Class O Facility M

This is record number

535 from f:\field\fld\_trip.dbf.

REQUEST FOR APPROVA ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ■ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes ■ No □	EL PASO NATURAL GAS
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST	
2. Destination	5. Name of Originating Site
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	See Attached List
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter Doug Foutz Construction ENVIROTECH Inc.
7. Location of Material (Street Address or ULSTR)	8. State
	New Mexico
See Attached List	
9. <u>Check One</u>	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government to accept non-exempt wastes must be accompanied by necept material is non-hazardous and the Generator's certification of origin. No waste convil be approved.  All transporters must certify that the wastes delivered are only Projected Date(s) for transportation:  BRIEF DESCRIPTION OF THE MATERIAL:  Various dehydrator and drip pits at closure sites closed during NOVEMBER 1995	by a certification of waste status from the tagency; two certificates per job.  Description of waste status from the tagency; two certificates per job.  Description of waste status from the tagency and the tagency are status.
	வரி இ
Estimated Volume 3,062 yd 3 Known Volume (to be entered by the operato hereby certify that the information above is true and complete to the best of my knowledge and belief.	r at end of haul):yd <sup>3</sup>
SIGNATURE TITLE OPERATIONS MANAGE	GER DATE 11/30/95
I ADDY E HINEED	HONE NO. (505) 334-8894
(This space for State Use)	
APPROVED BY Deny 2. Down TITLE Geologist	DATE 12/27/95
APPROVED BY Sure Free TITLE	DATE 1-2-96
CONDITIONS OF APPROVAL, IF ANY:	·

FORM 103095



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)				
A list of pit clo	sure sites is attached.			
This material origina	ited:			
XX In The State of	of New Mexico			
From the St Agency having juriso	ate of	. Letter from the Regulatory		
Source: Various de	hydrator and drip pits.			
Destination: Tierra	Environmental Corporation Crouch Mesa Landfarm Fac SE 1/4, Section 2, Townsh NMPM San Juan County, New Mex	ip 29 North, Range 12 West		
I Sandra D. Mille	r			
representative for	El Paso Natural Cas Com	pany		
regulation by the Reconsidered non-hazar knowledge, no other would otherwise caus other Federal. State of	esource Conservation and R dous oilfield waste. I further material has been commingle	material that is exempted from ecovery Act (RCRA) and is recrify that to the best of my ed with the exempt waste that "hazardous" by RCRA or any redinance.		
Title Sr. Compliance	ce Scientist			
Addres P.O. Box 499	00; Farmington, NM 87499			
Date 12/11/95		and the second s		

12-11-95 : 9:16AM :EL PASO NATURAL C13 -TIERRA ENVIRONMENTA ;# 3/ 3

			Tierra ⊏nvironmental November,	1995	
Closed	Meter	Meter2	Location	STRL	Comments
11/28/95	73034	1	Nickles #1	11-31-13-K	
11/28/95	70862		McGrath #1	7-30-1-F	V
11/29/95	75718		Flora Vista #1	22-30-12-F	V/
11/30/95	72014		Federal Gas Unit 3 #1	23-29-10-N	
11/30/95	89915		Uptegrove Gas Com Well #1A	33-32-10-1	

#### TIERRA ENVIRONMENTAL COMPANY Inc.

#### **EL PASO NOVEMBER 1995**

<b>DATE</b>	<b>LOCATION</b>	<b>METER</b>	<b>CONT</b>	<u>FILL</u>	<u>CELL</u>
11/28/95	NICKLES #1	73034	942.00	1,052.00	10
11/28/95	McGRATH #1	70862	510.00	250.00	10
11/29/95	FLORA VISTA #1	75718	870.00	800.00	10
11/30/95	UPTEGROVE G.C. WELL#	89915	460.00	470.00	10 / 11
11/30/95	FEDERAL GAS UNIT 3 #1	72014	280.00	170.00	11

SUM: SUM:

3,062.00 2,742.00

JOB # 94022

DATE	T/NUM	METER	LOCATION	NAME	CARRIER	TRK#	CONT.	FILL	CELL
DATE	17110111	WEILI	<u> </u>	11111111	CHARLE	11011	001,11	1112	(OZZZ)
11/27/95	267	73034	NICKLES #1		<b>FOUTZ</b>	934	20.00	20.00	10
11/27/95	268	73034	NICKLES #1		<b>FOUTZ</b>	831	30.00	30.00	10
11/27/95	269	73034	NICKLES #1		FOUTZ	731	30.00	30.00	10
11/27/95	270	73034	NICKLES #1		<b>FOUTZ</b>	835	30.00	30.00	10
11/27/95	271	73034	NICKLES #1		FOUTZ	132	30.00	30.00	10
11/27/95	272	73034	NICKLES #1		FOUTZ	72	30.00	30.00	10
11/27/95	273	73034	NICKLES #1		<b>FOUTZ</b>	432	30.00	30.00	10
11/27/95	274	73034	NICKLES #1		<b>ENVIRO</b>	D-57	20.00	20.00	10
11/27/95	275	73034	NICKLES #1		ATENCIO	24	20.00	20.00	10
11/27/95	276	73034	NICKLES #1		<b>ENVIRO</b>	4087	30.00	20.00	10
11/27/95	277	73034	NICKLES #1		<b>ENVIRO</b>	3	30.00	20.00	10
11/27/95	278	73034	NICKLES #1		<b>ENVIRO</b>	14	10.00	10.00	10
11/27/95	279	73034	NICKLES #1		<b>ENVIRO</b>	4	30.00	20.00	10
11/27/95	280	73034	NICKLES #1		<b>BAR</b> 37	L-37	20.00	10.00	10
11/27/95	281	73034	NICKLES #1		BAR-37	L-64	20.00	10.00	10
11/27/95	282	73034	NICKLES #1		FOUTZ	131	10.00	10.00	10
11/27/95	283	73034	NICKLES #1		ENVIRO	9	10.00	10.00	10
11/27/95	284	73034	NICKLES #1		CRUZ	5	10.00	0.00	10
11/27/95	285	73034	NICKLES #1		CRUZ	1	10.00	0.00	10
11/27/95	286	73034	NICKLES #1		CRUZ	<u>2</u> _	10.00	0.00	10
				TRUCKS	S IN HAUL:	20	430.00	350.00	
									4.0
11/28/95	373	73034	NICKLES #1		FOUTZ	72	20.00	30.00	10
11/28/95	374	73034	NICKLES #1		ATENCIO	DS-7	30.00	40.00	10
11/28/95	375	73034	NICKLES #1		ATENCIO	24	30.00	40.00	10
11/28/95	376	73034	NICKLES #1		ENVIRO	14	30.00	40.00	10
11/28/95	377	73034	NICKLES #1		FOUTZ	831	30.00	40.00	10
11/28/95	378	73034	NICKLES #1		FOUTZ	835	30.00	40.00	10
11/28/95	379	73034	NICKLES #1		CRUZ	3	30.00	40.00	10
11/28/95	380	73034	NICKLES #1		FOUTZ	832	36.00	36.00	10
11/28/95	381	73034	NICKLES #1		FOUTZ	731	20.00	30.00	10
11/28/95	382	73034	NICKLES #1		BAR-37 BAR-37	L-37 L-64	20.00 20.00	30.00 30.00	10 10
11/28/95	383 384	73034 73034	NICKLES #1 NICKLES #1		ENVIRO	9	20.00	30.00	10
11/28/95 11/28/95	385	73034	NICKLES #1		ENVIRO	4087	20.00	30.00	10
11/28/95	386	73034	NICKLES #1		FOUTZ	132	20.00	30.00	10
11/28/95	387	73034	NICKLES #1		CRUZ	1	20.00	30.00	
11/28/95	388	73034	NICKLES #1		CRUZ	2	20.00	30.00	
11/28/95	389	73034	NICKLES #1		CRUZ	5	20.00	30.00	10
11/28/95	390	73034	NICKLES #1		FOUTZ	432	20.00	30.00	
11/28/95	391	73034	NICKLES #1		ENVIRO	3	20.00	30.00	
11/28/95	392	73034	NICKLES #1		<b>ENVIRO</b>	4	20.00	30.00	
11/28/95	393	73034	NICKLES #1		<b>FOUTZ</b>	531	18.00	18.00	
11/28/95	394	73034	NICKLES #1		FOUTZ	833	18.00	18.00	
11/28/95	395	70862	McGRATH #1		BAR-37	L-37	30.00	20.00	
11/28/95	396	70862	McGRATH #1		BAR-37	L-64	40.00	20.00	
11/28/95	397	70862	McGRATH #1		<b>ENVIRO</b>	9	30.00	20.00	
11/28/95	398	70862	McGRATH #1		CRUZ	2	30.00	20.00	
11/28/95	399	70862	McGRATH #1		<b>FOUTZ</b>	132	30.00	20.00	
11/28/95	400	70862	McGRATH #1		CRUZ	5	20.00	20.00	
11/28/95	314	70862	McGRATH #1		<b>ENVIRO</b>	4087	20.00	10.00	10
11/28/95	315	70862	McGRATH #1		<b>FOUTZ</b>	731	30.00	10.00	10
11/28/95	316	70862	McGRATH #1		ATENCIO	24	30.00	10.00	10

11/28/95	317	70862	McGRATH #1	ATENCIO	DS-7	30.00	10.00	10
11/28/95	318	70862	McGRATH #1	ENVIRO	14	30.00	10.00	10
11/28/95	319	70862	McGRATH #1	FOUTZ	432	30.00	10.00	10
11/28/95	320	70862	McGRATH #1	ENVIRO	3	30.00	10.00	10
11/28/95	321	70862	McGRATH #1	ENVIRO	4	20.00	10.00	10
11/28/95	322	70862	McGRATH #1	FOUTZ	72	30.00	10.00	10
11/28/95	323	70862	McGRATH #1	FOUTZ	831	30.00	10.00	10
11/28/95	324	70862	McGRATH #1	CRUZ	1	10.00	10.00	10
11/28/95	325	70862	McGRATH #1	FOUTZ	835	20.00	10.00	10
11/28/95	326	70862	McGRATH #1	CRUZ	3	10.00	10.00	10
11/28/95	327	70862	McGRATH #1	FOUTZ	<u>131</u>	10,00	0.00_	10
22.20,70				TRUCKS IN HAUL:		1,022.00	952.00	
11/29/95	5001	75718	FLORA VISTA #1	BAR-37	L-64	60.00	60.00	10
11/29/95	5002	75718	FLORA VISTA #1	ATENCIO	DS-7	60.00	50.00	10
11/29/95	5003°	75718	FLORA VISTA #1	ENVIRO	14	70.00	50.00	10
11/29/95	5004	75718	FLORA VISTA #1	FOUTZ	72	40.00	40.00	10
11/29/95	5005	75718	FLORA VISTA #1	FOUTZ	831	50.00	50.00	10
11/29/95	5006	75718	FLORA VISTA #1	FOUTZ	934	50.00	50.00	10
11/29/95	5007	75718	FLORA VISTA #1	FOUTZ	731	50.00	50.00	10
11/29/95	5008	75718	FLORA VISTA #1	FOUTZ	132	50.00	50.00	10
11/29/95	5009	75718	FLORA VISTA #1	FOUTZ	835	50.00	50.00	10
11/29/95	5010	75718	FLORA VISTA #1	ENVIRO	E-51	50.00	50.00	10
11/29/95	5011	75718	FLORA VISTA #1	FOUTZ	131	30.00	20.00	10
11/29/95	5012	75718	FLORA VISTA #1	FOUTZ	935	40.00	40.00	10
11/29/95	5013	75718	FLORA VISTA #1	ATENCIO	24	40.00	30.00	10
11/29/95	5014	75718	FLORA VISTA #1	CRUZ	3	50.00	30.00	10
11/29/95	5015	75718	FLORA VISTA #1	CRUZ	2	30.00	30.00	10
11/29/95	5016	75718	FLORA VISTA #1	CRUZ	5	30.00	30.00	10
11/29/95	5017	75718	FLORA VISTA #1	ENVIRO	3	30.00	30.00	10
11/29/95	5018	75718	FLORA VISTA #1	ENVIRO	4	30.00	30.00	10
11/29/95	5019	75718	FLORA VISTA #1	ENVIRO	4087	30.00	30.00	10
11/29/95	5020	75718	FLORA VISTA #1	ENVIRO	9	30.00	30.00	10
11/29/95	5021	89915		WELL#1A ENVIRO	4087	20.00	10.00	10
11/29/95	5022	89915		WELL#1A ENVIRO	3	20.00	10.00	10
11/29/95	5023	89915		WELL #1A ENVIRO	4	20.00	10.00	10
11/29/95	5024	89915		WELL#1A ENVIRO	E-51	20.00	10.00	10
11/29/95	5025	89915	UPTEGROVE G.C.		835	20.00	10.00	10
11/29/95	5026	89915	UPTEGROVE G.C.		731	20.00	10.00	10
11/29/95	5027	89915	UPTEGROVE G.C.	WELL#1A FOUTZ	72	20.00	10.00	10
11/29/95	5028	89915	<b>UPTEGROVE G.C.</b>	WELL#1A ENVIRO	14	20.00	10.00	10
11/29/95	5029	89915	<b>UPTEGROVE G.C.</b>	WELL#1A CRUZ	2	20.00	10.00	10
11/29/95	5030	89915	<b>UPTEGROVE G.C.</b>	WELL#1A FOUTZ	131	20.00	10.00	10
11/29/95	5031	89915	<b>UPTEGROVE G.C.</b>	WELL#1A FOUTZ	934	20.00	10.00	10
11/29/95	5032	89915	<b>UPTEGROVE G.C.</b>	WELL #1A CRUZ	3	20.00	10.00	10
11/29/95	5033	89915	<b>UPTEGROVE G.C.</b>	WELL#1A FOUTZ	132	20.00	10.00	10
11/29/95	5034	89915	<b>UPTEGROVE G.C.</b>	WELL #1A CRUZ	5	20.00	10.00	10
11/29/95	5035	89915	<b>UPTEGROVE G.C.</b>	WELL#1A FOUTZ	935	20.00	10.00	10
11/29/95	5036	89915	<b>UPTEGROVE G.C</b> V	WELL#1A FOUTZ	<u>831</u>	<u> 20.00</u>	<u>10.00</u>	10
				TRUCKS IN HAUL	20	1,190.00	960.00	
11/20/05	5027	00015	HDTECDOVE C.C.	WELL #1A ATENCIO	DS-7	20.00	30.00	11
11/30/95	5037 5038	89915 89915		WELL#IA ATENCIO WELL#IA ATENCIO		20.00	30.00	11
11/30/95	5038	89915 89915		WELL#IA ATENCIO WELL#IA ENVIRO	24 14	20.00	30.00 30.00	11
11/30/95 11/30/95	5040	89915 89915		WELL#IA ENVIRO WELL#IA ENVIRO	E-51	20.00 10.00	30.00	11
	5040 5041	89915 89915	UPTEGROVE G.C. UPTEGROVE G.C.		E-31	10.00	30.00	11
11/30/95	5042	89915 89915		WELL#IA CROZ WELL#IA ENVIRO	4087	10.00	30.00	11
11/30/95	3042	87713	UT IEGRUVE G.C.	WELL#IA ENVIKU	408/	10.00	20.00	11

draulic ( W 150 32

Page 5 of 6

Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

#### PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0% CHEVRON Hydraulic Oil AW ISO 32

#### CONTAINING

#### > 99.0 % LUBRICATING BASE OIL

The BASE OIL may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, CAS 72623837.

#### < 1.0 % ADDITIVES

TLV - Threshold Limit Value TWA - Time Weighted Average STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity

RQ - Reportable Quantity CPS - CUSA Product Code

CC - Chevron Chemical Company CAS - Chemical Abstract Service Number

#### 10. REGULATORY INFORMATION

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

SARA 311 CATEGORIES: 1. Immediate (Acute) Health Effects; NO

2. Delayed (Chronic) Health Effects; NO

3. Fire Hazard; NO

4. Sudden Release of Pressure Hazard; NO

Reactivity Hazard; NO

None of the components of this material are found on the regulatory lists shown below.

#### REGULATORY LISTS SEARCHED:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=M1 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
3.0=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA TWA	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA Sect 4(e)

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613

NDA - No Data Available NA - Not Applicable

## TIERRA ENVIRONMENTAL COMPANY Inc.

11/30/95	5043	89915	<b>UPTEGROVE G.C. WELL #1A</b>	<b>ENVIRO</b>	3	10.00	30.00	11
11/30/95	5044	89915	<b>UPTEGROVE G.C. WELL #1A</b>	CRUZ	2	10.00	30.00	11
11/30/95	5045	89915	<b>UPTEGROVE G.C. WELL #1A</b>	<b>ENVIRO</b>	4	10.00	30.00	11
11/30/95	5046	89915	<b>UPTEGROVE G.C. WELL #1A</b>	BAR-37	L-37	10.00	20.00	11
11/30/95	5047	89915	<b>UPTEGROVE G.C. WELL #1A</b>	BAR-37	L-64	10.00	20.00	11
11/30/95	5048	72014	FEDERAL GAS UNIT 3 #1	ATNECIO	24	30.00	20.00	11
11/30/95	5049	72014	FEDERAL GAS UNIT 3 #1	ATENCIO	DS-7	30.00	20.00	11
11/30/95	5050	72014	FEDERAL GAS ÚNIT 3 #1	<b>ENVIRO</b>	E-51	30.00	20.00	11
11/30/95	5051	72014	FEDERAL GAS UNIT 3 #1	<b>ENVIRO</b>	14	30.00	20.00	11
11/30/95	5052	72014	FEDERAL GAS UNIT 3 #1	BAR-37	L-37	30.00	20.00	11
11/30/95	5053	72014	FEDERAL GAS UNIT 3 #1	<b>ENVIRO</b>	4	20.00	10.00	11
11/30/95	5054	72014	FEDERAL GAS UNIT 3 #1	BAR-37	L-64	30.00	20.00	11
11/30/95	5055	72014	FEDERAL GAS UNIT 3 #1	<b>ENVIRO</b>	4087	20.00	10.00	11
11/30/95	5056	72014	FEDERAL GAS UNIT 3 #1	<b>ENVIRO</b>	3	20.00	10.00	11
11/30/95	5057	72014	FEDERAL GAS UNIT 3 #1	CRUZ	2	20.00	10.00	11
11/30/95	5058	72014	FEDERAL GAS UNIT 3 #1	CRUZ	1_	20.00	10.00	11
			TRUCKS	IN HAUL:	11	420.00	480.00	

TOTALS: 3,062.00 2,742.00

· · · · · · · · · · · · · · · · · · ·		
REQUEST FOR APPR TO ACCEPTOS	OLID WASTE	xxxxxxxxxxxxxxxxxx
1 1 . RCRA Exempt:  Non-Exempt:	REC: NOOR 1610M	4. Name of Transporter
Verbal Approval Received: Yes	No Anderson	Fesco
(Submitting this form for oilfield exempt wastelf 2. Destination	s optional	5. Generator
	~.	
Tierra Environ mental (D. INC. C	rouch mesa LANDFAIM	6. Name of Originating Site
3. Address of Facility Operator		
420 CR 3100 Aztec Nm		Bisti Station
7. Originating Location of Material (Street Addres	is or ULSTR)	8. State
Section 17, T-26N, R-11N SE14	SAN JUAN	New mexico
9. Check One	•	•
A. All requests for approval to accept oilfield exempt w	astes will be accompanied by a	certification of waste from the Generator;
certificate per job.  B. All requests for approval to accept non-oilfield exemptions.	ot wastes will be accompanied I	by a certification of waste status from the
Generator and the New Mexico Environment Departr	ment or other appropriate govern	nment agency; two certificates per job.
C. All requests for approval to accept non-exempt waste the material is non-hazardous and the Generator's ce	es must be accompanied by nec rtification of origin. No waste c	essary chemical analyses to prove lassified as hazardous by listing or testing
will be approved.		ly those consigned for trans
	stes delivered are on	ly those consigned for trans
Projected Dates(s) for Transportation:  BRIEF DESCRIPTION OF THE MATERIAL:		
	^ _	0
Soil contaminated with crude	oil removed from	Around
A Six - 500 BBL TANK FACILITY	. Site is Beig	cleaned up
BECAUSE OF A SAK From GARY	Energy to Giant	Refining.
FAcility is A Transportation Termi	0.6.1	
The state of the s		DEGENERA
	DESCRIPTION	<b>PEGETAE</b>
	NECEINE	DEC - 5 1935 L
	DEC 1 3 1995	
	, 0 1000 E	OUL COM. DAY
	OIL CON. DIV	DIST. 3
	DIST. 3	
Estimated Volume 200 vd Knawn Volum	me (to be entered by the operator of the	end of the heuli:
I hereby certify that the information above is true and complete to the best of my		
SIGNATURE Signature T	ITLE <u>Presida</u>	DATE 12/4/
0		( ) 227 / 227
TYPE OR PRINT NAME Phillip C - Nobis		TELEPHONE NO. <u>(505) 334-888</u>
[This space for State Uso]		
19 3 Day 7	6 e10/n	C/5/ DATE 17/1/
APPROVED BY A COLUMN TO THE CO	TITLE 6-010	713/ VAIE 12/0/
APPROVED BY	TITLE SEULOGIS	DATE 12-8-
APPROVED NI	11146	

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1 . RCRA Exempt: Non-Exempt: Rober	4. Name of Transporter
Verbal Approval Received: Yes No Anderson	
(Submitting this form for oilfield exempt waste is optional)	té500
2. Destination	5. Generator
Tierra Environ mental Co. INC. Crouch MESA LANDFARM	CASY Alliand Eagan
3. Address of Facility Operator	6. Name of Originating Site
S. Addition of Facility Operator	
420 CR 3100 Aztec NM 87410	Bisti Station
7. Originating Location of Material (Street Address or ULSTR)	8. State
Section 17, T-26N, R-11 W SE 1/4 SAN JUAN	New mexico
9. Check One	•
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a	certification of waste from the Generator; or
certificate per job.	
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environment Department or other appropriate gover	
C. All requests for approval to accept non-exempt wastes must be accompanied by nec	cessary chemical analyses to prove
the material is non-hazardous and the Generator's certification of origin. No waste of	classified as hazardous by listing or testing
will be approved.  All transporters must certify that the wastes delivered are on	ly those consigned for transpo
Projected Dates(s) for Transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	
. <u> </u>	
50.1 contaminated with crude oil removed From	
A Six - 500 BBL TANK FACILITY. Site is Being	cleaned up
Because of A SAK From GARY Energy to Gian	+ Refining.
FAcility is A Transportation Terminal	
	DEC - 5 1995 (U)
	OIL CON. DIV
	DIST. 3
40	
Estimated Volume	e end of the hauli:
	DATE 12/1/25
SIGNATURE	DATE 12/1/85
	(COE) 334- 8894
TYPE OR PRINT NAME Phillip C- Nobis	TELEPHONE NO. (303 / 334-801 /
(This space for State Use)	In laint
APPROVED BY Deny S. Faint TITLE Geolog,	DATE 12/5/9)
	/ /
APPROVED BYTITLE	DATE



# TIERRA ENVIRONMENTAL CORPORATION

TIERRA ENVIRON

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## CERTIFICATE OF WASTE STATUS **NON-EXEMPT RCRA WASTE**

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
Site (Include Name, Section, Township, Range, 1/4, etc.)  BISTI TANK FACILITY  TZGN, RILW, SEC. 17, SE 1/4  SAN THAN COUNTY, NM  Source: SOIL CONTAMINATED WITH CAMPE OIL FROM MINOR SPILLS FROM TRUCK OFFLONDING INTO  TANKAGE.  I CHRIS HAWLEY representative of GREWILLIAMS ENERGY CORP. & BLOOMFIELD REFINING CO.  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  BCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Title  ENVR. MGR.  Post-It* brand fax transmittal memo 7671  From P. Nobis
Site (Include Name, Section, Township, Range, 1/4, etc.)  BISTI TANK FACILITY  TZEN, RIIW, SEC. 17, SE 1/4  SAN TLAN COUNTY, NAM  Source: SOIL CONTAMINATED WITH CAUDE OIL FROM MINDR SPILLS FROM TRUCK OFFLOADING INTO  TANKAGE.  I CHRIS HAWLEY representative of GREYWILLIAMS ENERGY CORP.  BLOOMFIELD REFINING CO.  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as not hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  BCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Signature  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref pages > /  Post-It's brand fax transmittal memo 7671 ref
Site (Include Name, Section, Township, Range, 1/4, etc.)  BISTI TANK FACULITY  TZGN, RIIW, SEC. 17, SE 1/4  SAN THAN COUNTY, NM  Source: Soll Contaminated with Caude oil From Minor Spills From Truck of Floring Instruction of Minor Spills From Truck of Floring Instruction of Gardwilliams Energy Corp. & Bloomfield Refining Co.  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  BCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Post-It' brand fax transmittal memo 7671   **elpage** / Pos
Check appropriate line(s)
RCRA TCLP Analysis  RCRA Metals Corrosivity, Ignitability, Reactivity Letter from Out of State Regulatory Agency I further certify that there has been no change in the processes employed
CHM L HM I III -
Site (Include Name, Section, Township, Range, 1/4, etc.)  BIST! TANK FACILITY  T 26N, RILLY, SEC. 17, SE 1/4  SAN TURN COUNTY, NM  Source: SOIL CONTAMINATED WITH CRUDE OIL FROM MINOR SPILLS FROM TRUCK OFFICACING INTO  TRUKAGE.  I CHRIS HAWLEY representative for GREWILLIAMS ENERGY CORP. & BLOOMFIELD REFINING CD.  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of pages / Post-It* brand fax transmittal memo 7671 of p
Source: Soil Contaminated with chube oil from Minde spills from Truck efficación (Contaminated with chube oil from Minde spills from Truck efficación (Contaminated with chube oil from Truck efficación).  I CHRIS HAWLEY representative for Green with the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  BCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Post-lite brand fax transmittal memo 7671 refpages / I for Chris Hawley From H. Nobis  Post-lite brand fax transmittal memo 7671 refpages / I for Chris Hawley From H. Nobis  Co. Jone F. L. L. Co. T. L.
Post-It® brand tax trains title. From Ph.   Nab, 5  Co. Brand From Ph.   Nab, 5  Co. Process  Phone #



CORE LABORATORIES ANALYTICAL REPORT

Job Number: 953325 Prepared For:

ONSITE TECHNOLOGIES LIMITED DAVE COX 657 W. MAPLE FARMINGTON, NM 87401

Date: 11/16/95

Name: Charles Sassine

CORE LABORATORIES 1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408

Title: Laboratory Supervisor



LABORATORY

TESTS

RESULTS

11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.....: T1E1001 BLOOMFIELD REFINERY

LABORATORY I.D...: 953325-0001

DATE SAMPLED.....: 11/02/95 TIME SAMPLED....: 10:07

DATE RECEIVED...: 11/06/95 TIME RECEIVED...: 10:30

WORK DESCRIPTION...: 9051-3642 B15T1 STATION COMPOSITE

REMARKS....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
TCLP Semivolatiles .		*5		EPA SW-846 8270	11/10/95	GE
1,4-Dichlorobenzene	<50	50	ug/L	EPA SW-846 8270	•	•
2,4-Dinitrotoluene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<50	50	ug/L	EPA SW-846 8270	1	
Hexachloroethane	<50	50	ug/L	EPA SW-846 8270		
Nitrobenzene	<50	50	ug/L	EPA SW-846 8270	1	
Pentachlorophenol	<250	250	ug/L	EPA SW-846 8270	1	
2,4,5-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270	1	
2,4,6-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
Pyridine	<50	50	ug/L	EPA SW-846 8270	ĺ	
p,m-Cresot	<50	50	ug/L	EPA SW-846 8270	·	
o-Cresol	<50	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	71	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	92	l ŏ	* Recovery	24-94% QC LIMITS	1	
Nitrobenzene-d5 (Surrogate)	82	_	% Recovery	35-102% QC LIMITS	İ	
2-Fluorobiphenyl (Surrogate)	76		% Recovery	43-103% QC LIMITS	·	
2,4,6-Tribromophenol(Surrogate)	69	Ö	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	89	ŏ	% Recovery	43-117% QC LIMITS		
TCLP Volatiles		*10		EPA SW-846 8260	11/11/95	QP
Benzene	<50	50	ug/L	EPA SW-846 8260	İ	
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260		
Chlorobenzene	<50	50	ug/L	EPA SW-846 8260		
Chloroform	<50	50	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Vinyl chloride	<40	40	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<50	50	ug/L	EPA SW-846 8260	Į	
Tetrachloroethene	53	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	109	. 0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	95	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	87	0	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	11/08/95	WEB
lass Jar Extraction for Metals	Completed			EPA SW-846 1311	11/07/95	DGP
lass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	11/07/95	DGP
rsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC



LABORATORY TESTS RESULTS 11/16/95

JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

CLIENT I.D..... T1E1001 BLOOMFIELD REFINERY

DATE SAMPLED.....: 11/02/95

TIME SAMPLED....: 10:07

WORK DESCRIPTION ...: 9051-3642 B15T1 STATION COMPOSITE

LABORATORY I.D...: 953325-0001

DATE RECEIVED...: 11/06/95 TIME RECEIVED...: 10:30

REMARKS....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable.TCLP	0.90	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Lead (Pb), extractable TCLP	0.07	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Flammability Potential	Negative		+ or -	ASTM D4982-89	11/10/95	WEH
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	11/07/95	DEH
Corrosivity by pH	7.8	0.1	pH units	EPA SW-846 9045C	11/10/95	DJ
Sulfide, Reactive	<50	50	mg/kg	EPA SW-846 7.3.4.2	11/09/95	DJ
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	11/10/95	EBS
Metals Digest on Extracted Sample	Completed		•	EPA SW-846 3010A	11/13/95	TFB
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	11/07/95	DGP
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CORPUS CHRISTI, TX 78408

(512) 289-2673

53325 ANALY		R: ONSITE T	l .		T	ATTN: DAVE	COX		
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1		·	00. 2.	CATES	REFERENCI	STANDARDS		MATRIX SPIKE	S
NALYSIS UB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
ide, Reacti T/DF:						.2			JMBER:99394 CHNICIAN:DI
CS2 DS	Di H20 508.37.25 953325-1 953325-1	<5 1.88 2.18 <5	<b>~</b> 5	o	1.92	98	<b>&lt;</b> 5	1.93	113
ide, Reacti T/DF: 50						.2			JMBER:99399 CHNICIAN:D.
CS S	Di H20 508.36.22 953280-1 953280-1	<50 273 265 <50	<50	NC	300	91	<50	300	88
									MBER:99410 CHNICIAN:D.
	386.20.32 953326-1	7.03 7.96	8.01	1	7.00	100			
mebility Po T/DF:						1			JMBER: 99412 CHNICIAN: WE
0	953326-1	Negative	Negat i ve	0					
						-1			JADER: 99414 CHNICIAN: EF
s s	DI H20 507.3.19 953267-1 953267-1	<0.002 0.022 0.045 <0.002	<0.002	NC	0.020	110	<0.002	0.050	90
						1			MBER:99436 HNICIAN:GO
B CV CV	3005 3010 3051 91095 1013C 953326-002 953326-002	<0.05 <0.05 <0.05 0.99 5.11 1.00 <0.05	<0.05	NC	1.00 5.00	99 102	<0.05	1.00	100
	I/DF: 3 110795 CS2 OS OIDER, React I/OF: 50 3 110995 CS OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER OIDER 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Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Inte	Internation	DATE/TIME ANALYZED:11/10	DATE/TIME ANALYZED:11/10/95 13:00	Ide, Reactive	DATE/TIME AMALYZED:11/07/95 13:00	Adda

PAGE:3



			QUA	LITY A	S S U R A N 11/16/95	CE RE	PORT			
JOB NUMBER:	953325	CUSTOME	R: ONSITE T	ECHNOLOGIES			ATTN: DAVE	COX		
	ANAL	YSIS		DUPLICATES REFERENCE		STANDARDS	,	MATRIX SPIKES		
ANALYSIS Type	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
		extractable T UNITS:mg/L	CLP		IALYZED:11/14 ENCE : SW-8			•	QC BATCH NU	MBER:994366 HNICIAN:GCC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3005 3010 3051 1023C 1013C 953326-002 953326-002	<0.05 <0.05 <0.05 1.03 5.12 1.71 0.86	1.00	15	1.00 5.00	103 102	0.86	1.00	85
		extractable UNITS:mg/L			ALYZED:11/14 ENCE : SW-8				QC BATCH NU	MBER:994367 HNICIAN:GCC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3005 3010 3051 91095 1013C 953326-002 953326-002	<0.05 <0.05 <0.05 .1.00 5.18 0.98 <0.05	<0.05	NC	1.00 5.00	100 104	<0.05	1.00	98
		extractable UNITS:mg/L			ALYZED: 11/14 ENCE : SW-8		-		QC BATCH NU	MBER:994368 HNICIAN:GCC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3005 3010 3051 91095 1013C 953326-002 953326-002	<0.05 <0.05 <0.05 1.02 5.22 0.92 <0.05	<0.05	NC	1.00 5.00	102 104	0	1.00	92
		ractable TCLI UNITS:mg/L			ALYZED:11/14, ENCE : SW-8				QC BATCH NU	HBER:994369 HNICIAN:GCC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3005 3010 3051 41095 1023C 953326-002 953326-002	<0.05 <0.05 <0.05 1.00 5.10 0.89 0.05	0	0.05	1.00 5.00	100 102	0.05	1.00	84
	lenium (Se), MIT/DF: 0.05	extractable UNITS:mg/L			ALYZED:11/14, ENCE : SW-84				QC BATCH NU	MBER:994370 HNICIAN:GCC
BLANK BLANK	MB MB	3005 3010	<0.05 <0.05							
	1	<u> </u>		<u> </u>	<u> </u>		1733 NORTH CORPUS CHRI (512) 289-2		D DRIVE 8408	<u> </u>



1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673

JOB NUMBER:	953325	CUSTONE	R: ONSITE	ECHNOLOGIES	LIMITED		ATTN: DAV	E COX		
	ANAI	LYSIS		DUPL	ICATES	REFEREN	CE STANDARDS		MATRIX SPIKE	S
NALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:S REPORTING L	elenium (Se) IMIT/DF: 0.0	, extractable 5 UNITS:mg/L	TCLP	DATE/TIME A METHOD REFE		14/95 15:51 846 6010A			QC BATCH N	UMBER:99437 CHN1CIAN:GO
BLANK STANDARD STANDARD SPIKE DUPLICATE	MB ICV CCV MS MD	3051 q1095 1023C 953326-002 953326-002	<0.05 1.05 5.06 0.99 <0.05	<0.05	NC	1.00 5.00	105 101	<0.05	1.00	99.
PARAMETER:S REPORTING L	ilver (Ag), e IMIT/DF: 0.0	extractable T 5 UNITS:mg/L	CLP	DATE/TIME A METHOD REFE		4/95 15:51 846 6010A			QC BATCH N	UMBER:99437 Chnician:go
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3005 3010 3051 1023C 1013C 953326-002 953326-002	<0.05 <0.05 <0.05 1.00 5.00 0.94 <0.05	<0.05	NC	1.00 5.00	100	<0.05	1.00	94
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PAGE:5



TCLP SEMIVOLATILES

# **CORE LABORATORIES**

QUALITY ASSURANCE REPORT

11/16/95

JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 11/10/95 TIME ANALYZED: 08:44 METHOD: EPA SW-846 8270 QC NUM

QC NUMBER:994204

EST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASUR
,4-Dichlorobenzene ,4-A-B-Mitrotoluene lexanniorobenzene lexanhlorobutadiene lexiorobutadiene lexiorobutadiene lixiorobene	MB MB MB MB MB	110895 110895 110895 110895 110895 110895	1 1 1 1 1	<10 <10 <10 <10 <10 <10	10 10 10 10 10 10	ug/L ug/L ug/L ug/L ug/L ug/L
entser prophenol ,4,5-%richlorophenol ,4,6-Trichlorophenol yridine resols (Total)	MB MB MB MB	110895 110895 110895 110895 110895	1 1 1 1	<50 <10 <10 <10 <30	50 10 10 10 10 30	ug/L ug/L ug/L ug/L ug/L
*						
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QUALITY ASSURANCE REPORT

11/16/95

ATTN: DAVE COX JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED

TCLP SEMIVOLATILES

DATE ANALYZED: 11/10/95 TIME ANALYZED: 08:44 METHOD: EPA SW-846 8270

QC NUMBER:994204

TEST Description	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SP I KE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF
1,4-Dichlorobenzene	BS	110895-00	1	90	0	250	36	10	ug/L
2,4-Dinitrotoluene Hexachlorobenzene	BS BS	110895-00	1	220 240	0	250 250	88 96	10 10	ug/L ug/L
Hexachlorobutadiene	BS	110895-00	i	110	0	250	44	10	ug/L
lexachloroethane	BS	110895-00	1	70	0	250	28	10	ug/L
litrobenzene	BS	110895-00	1 1	340	0	250	136	10	ug/L
Pentachlorophenol 2,4,5-Trichlorophenol	BS BS	110895-00 110895-00	1	850 720	0	750 750	113 96	50 10	ug/L ug/L
2,4,6-Trichlorophenol	BS	110895-00	1 1	310	l ŏ	250	124	10	ug/L ug/L
Pyridine	BS	110895-00	i	440	0	500	88	10	ug/L
Cresols (Total)	88	110895-00	1	580	0	750	77	30	ug/L
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ASSURANCE REPORT QUALITY

11/16/95

JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER:994210

TEST DESCRIPTION	ANALY SUB-TY	PE ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASUR
Vinyl chloride 1,1-Dichloroethene Methyl ethyl ketone Chloroform Carbon tetrachloride 1,2-Dichloroethane Benzene Trichloroethene Tetrachloroethene Chlorobenzene	MB MB MB MB MB MB MB MB MB MB	110795 110795 110795 110795 110795 110795 110795 110795 110795	1 1 1 1 1 1 1 1 1	<5 <50 <5 <5 <5 <5 <5 <5 <5	5 5 5 5 5 5 5 5 5	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L
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ASSURANCE REPORT QUALITY

11/16/95

JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

TCLP Volatiles DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER:994210

ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
inyl chloride	cc	342.97.1	1	101	100	101	5	ug/L
,1-Dichloroethene	CC	342.97.1	1 1	117	100	117	5	ug/L
ethyl ethyl ketone	cc ·	342.97.1	1	100	100	100	50	ug/L .
hloroform	cc	342.97.1	1	102	100	102	5	ug/L
arbon tetrachloride	CC	342.97.1	1	102	100	102	5	ug/L
,2-Dichloroethane	cc	342.97.1	1	100	100	100	5	ug/L
enzene	cc	342.97.1	1	104	100	104	5	ug/L
richloroethene	cc	342.97.1	1	106	100	106	5	ug/L
etrachloroethene	cc	342.97.1	1	103	100	103	5	ug/L
hlorobenzene	cc	342.97.1	1	101	100	101	5	ug/L
ibromofluoromethane(Surrogate)	cc	342.97.1	1	47	50	94	5	ug/L
oluene d-8 (Surrogate)	cc	342.97.1	1	49	50	98	5	ug/L
-Bromofluorobenzene(Surrogate)	CC	342.97.1	1	47	50	94	5	ug/L
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QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325 CUSTOMER: ONSITE TECHNOLOGIES LIMITED /

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER:994210

ST SCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZÉD VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
nyl chloride	MS	953268-1	1	1010	0	1000	101	5	ug/L
	MSD	953268-1	1 1	960	0	1000	96	5	ug/L
1-Dichloroethene	MS	953268-1	1	1120	0	1000	112	5	ug/L
	MSD	953268-1	1	1090	0	1000	109	5	ug/L
thyl ethyl ketone	MS	953268-1	1 1	710	0	1000	71	50	ug/L
	MSD	953268-1	1	750	0	1000	75	50	ug/L
loroform	MS	953268-1	1	970	0	1000	97	5	ug/L
	MSD	953268-1	1	950	0	1000	95	5	ug/L
rbon tetrachloride	MS	953268-1	1	990	0	1000	99	5	ug/L
	MSD	953268-1	1 1	930	0	1000	93	5	ug/L
2-Dichloroethane	MS	953268-1	1	960	0	1000	96	5	ug/L
	MSD	953268-1	1 1	900	0	1000	90	5	ug/L
nzene	MS	953268-1	1 1	1050	0	1000	105	5	ug/L
	MSD	953268-1	1 1	980	0	1000	98	5	ug/L
ichloroethene	MS	953268-1	1	960	0	1000	96	5	ug/L
	MSD	953268-1	] 1	900	0	1000	90	5	ug/L
trachloroethene	MS	953268-1	[ 1	1280	0	1000	128	5	ug/L
	MSD	953268-1	1 1	980	0	1000	98	5 5	ug/L
lorobenzene	MS	953268-1	1	1040		1000	104	5	ug/L
h	MSD	953268-1	1 1	980	0	1000 500	98 108	5	ug/L
bromofluoromethane(Surrogate		110795-00	1	540	0		92	5	ug/L
luene d-8 (Surrogate)	MB	110795-00	!	460 470	0	500 500	94	5	ug/L ug/L
Bromofluorobenzene(Surrogate	MB	110795-00	1	470	" .	300	74	,	ug/L
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#### ASSURANCE FOGTER

Cited Methods are obtained from the following documents:

EPA 600/2-79-020, Hethods for the Analysis of Water and Wastes, March 1983.

USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.

EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.

Federal Register, July 1, 1992 (40 CFR Part 136).

Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.

Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

Quality control acceptance criteria are method dependent.

All data reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

NC = Not Calculated due to value at or below detection limit.

NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.

The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.

The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

#### SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an \*\*\* and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

#### Core Laboratories :

CCB = Continuing Calib. Blank

Anaheim	*AN	Lake Charles	*LC
Aurora	*AU	Long Beach	*L8
Casper	<b></b> CA	Other Laboratories	*XX
Houston	*HP		

#### QUALITY ASSURANCE REPORT CODES

#### SPIKES AND DUPLICATES BLANKS\* REFERENCE STANDARDS MS = Matrix Spike, BS = Blank Spike MB = Method Blank RS = Reference Standard RB = Reagent Blank SS = Surrogate Spike, MD = Matrix Dup. CC = Continuing Calib. PDS= Post Digested Spike SB = Storage Blank LCS = Laboratory Control Std. ICV = Initial Calib. Verification ICB = Initial Calib. Blank MSD= Matrix Spike Duplicate PDD= Post Digested Duplicate

CCV = Cont. Calib. Verification

\*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

# 3643

# **CHAIN OF CUSTODY RECORD**

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Date: 11/2/95

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657 W. Maple • P. O. Box 2606 • Farmington NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

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REQUEST FOR APPROVAL CCEPT SOLID WASTE	X
95047  1. IRCRA Exempt: Non-Exempt: CHAIS EVERTED  Verbal Approval Received: Yes No By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE: 11/3/95	4. Generator  OFFICIONSERVE ON DIVISION  FOUR - FOUR CINCED
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site 2 CHACO PLANT
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter FOUR - FOUR Inc.
7. Originating Location of Material (Street Address or ULSTR) SEC 16 - T29N - R12W	8. State NEW MEXICO
9. Check One	·
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a coertificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government to accept non-exempt wastes must be accompanied by necestic material is non-hazardous and the Generator's certification of origin. No waste of will be approved.  All transporters must certify that the wastes delivered are only Projected Date(s) for transportation:  BRIEF DESCRIPTION OF THE MATERIAL:  SOIL CONTAMINATED WITH HYDRAULIC OIL FROM HEAVY EQUIPMENT  DEC - 4 1995  OIL CONO. DIV.	y a certification of waste status from the agency; two certificates per job. ssary chemical analyses to prove assified as hazardous by listing or testing
Estimated Volume 5 yd 3 Known Volume (to be entered by the operator	at end of haul):
ereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE MAY COLL TITLE PRESIDENT	DATE 11/03/95
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPH	HONE NO. (505) 334-8894
his space for State Use)	1-1-
APPROVED BY Denry S. fant TITLE Geolog 15T	DATE 11/3/95
ONDITIONS OF APPROVAL, IF ANY:	





# MEMORANDUM OF MEETING OR CONVERSATION

V Telephone Personal	Time 1015	AM		Date    -	7-95
Originating Party			and the second property of the second second second second second second second second second second second se	Othe	r Parties
PHIL NOBIS			CH	RIS EUS	STICE
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OFF: (505) 325-8786

LAB: (505) 325-5667

# **Facsimile Cover Sheet**

To:	Phil Nobis
Company:	Tierra Environmental
Phone:	334-8894
Fax:	334 - 9024
From:	Bill Vorkink
	On Site Technologies, LTD.
<del>-</del>	(505) 325-6256
	(505) 327-1496
Date:	11-13-95
Pages including this	
cover page:	7
Comments: Roger Ar	nderson said to go ahead and
send the permitti	ing for Four-Four and it will
be okay.	
	·

Emergency Number (800)457-2022 or (415)233-3737



# **Material Safety Data Sheet**

5396853

CHEVRON Hydraulic Oil AW ISO 32

CPS255675

Page 1 of 6

FARMINGTON OIL CO INC DELD LUBES 302 S. LORENA AVE FARMINGTON, NM 87401

MATERIAL ORDERED FOR: 302 SOUTH LORENE FARMINGTON, NM 87401

Print Date: July 25, 1991

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

This is a new Material Safety Data Sheet.

#### 1. PRODUCT IDENTIFICATION

CHEVRON Hydraulic Oil AW ISO 32

- A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

PRODUCT NUMBER(S): CPS255675

PRODUCT INFORMATION: (800)582-3835

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613 NDA - No Data Available NA - Not Applicable

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

Page 2 of 6

## 2. FIRST AID - EMERGENCY NUMBER (800)457-2022 OR (415)233-3737

#### EYE CONTACT:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

#### SKIN CONTACT:

Note to Physician: Injection under the skin of materials similar to this product is associated with accidents involving high-pressure equipment. When ejected from this type of equipment, the material can easily penetrate the skin and leave a small, sometimes bloodless, puncture wound. Yet, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain in the affected part. Immediate treatment at surgical emergency center is recommended. No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

#### INHALATION:

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

#### INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

## 3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

#### EYE CONTACT:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.

#### SKIN IRRITATION:

This substance is not expected to cause prolonged or significant skin irritation. This hazard evaluation is based on data from similar materials.

#### DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.

## RESPIRATORY/INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on data from similar materials.

#### INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613

NDA - No Data Available NA - Not Applicable

W 150 32

Page 3 of 6

#### 4. PROTECTIVE EQUIPMENT

#### EYE PROTECTION:

No special eye protection is usually necessary.

#### SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

#### RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

#### VENTILATION:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

#### 5. FIRE PROTECTION

FLASH POINT: (COC) >374F (190C)

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam and Water Fog.

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0; Special NDA; HMIS RATINGS: Health 0; Flammability 1; Reactivity 0; Other NDA; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

#### FIRE FIGHTING PROCEDURES:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

#### COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus. Incomplete combustion can produce carbon monoxide.

#### 6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA.

STABILITY:

Stable.

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613

NDA - No Data Available NA - Not Applicable

NOV-13-95 MON 16:4F

CHEVRON Hydraulic

AW ISO 32

4 of 6

#### HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

#### INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

#### SPECIAL PRECAUTIONS:

CAUTION! Do not use pressure to empty drum or explosion may result. DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

#### 7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Pale yellow liquid. BOILING POINT: 360 - 540+C

MELTING POINT: NA EVAPORATION: NA

SPECIFIC GRAVITY: 0.87 @ 15.6/15.6C

VAPOR PRESSURE: NA

PERCENT VOLATILE (VOLUME %): NA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 28.8 cSt @ 40C (Min.)

## 8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour). SPILL/LEAK PRECAUTIONS:

This material is not expected to present any environmental problems other than those associated with oil spills.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

#### DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

#### 9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control

MSDS Number: 004613 Revision Number: 0 Revision Date: 12/21/90 NDA - No Data Available NA - Not Applicable

P.07

29=OSHA CEILING

CHEVRON Hydraulic C.\_ AW ISO 32

Page 6 of 6

22-TSCA Sect 5(a)(e)(f) 23=TSCA Sect 6 24=TSCA Sect 12(b) 25=TSCA Sect 8(a) 26=TSCA Sect. 8(d)

27=TSCA Sect 8(e) 30=TSCA Sect 8 FYI

#### 11. PRODUCT TOXICOLOGY DATA

#### EYE IRRITATION:

28=Canadian WHMIS

No product toxicology data available. The hazard evaluation was based on data from similar materials.

#### SKIN IRRITATION:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

#### DERMAL TOXICITY:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

#### RESPIRATORY/INHALATION:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

#### INGESTION:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

#### 12. ADDITIONAL HEALTH DATA

#### ADDITIONAL HEALTH DATA COMMENT:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613 NDA - No Data Available NA - Not Applicable

U MONON ----

REQUEST FOR APPROVA ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
.1. RCRA Exempt: ☐ Non-Exempt: ☐ CHAIS EVSTICE	4. Generator
Verbal Approval Received: Yes No By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE: ///3/95	FOUR - FOUR, Inc.
2. Destination	5. Name of Originating Site EPNG CHACO PLANT
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	
3. Address of Facility Operator	6. Name of Transporter FOUR - FOUR Inc.
420 CR. 3100 AZTEC, NM 87410	7 0 0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7. Originating Location of Material (Street Address or ULSTR)	8. State
SEC 16 - T29N - R12W	NEW MEXICO
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied b Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste cl will be approved.	essary chemical analyses to prove assified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	
SOIL CONTAMINATED WITH HYDRAULIC OIL FROM HEAVY EQUIPMENT	DECEIVED
	M NOV - 3 1995
	OIL COM. DITA
	DIST. 3
Estimated Volume 5 yd 3 Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	r at end of haul):yd <sup>3</sup>
SIGNATURE SIGNATURE PRESIDENT	DATE11/03/95
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPH	HONE NO. (505) 334-8894

TITLE Geologist DATE 11/3

CONDITIONS OF APPROVAL, IF ANY:

(This space for State Use)

APPROVED BY



# TIERRA ENVIRONMENTAL COMPANY Inc.

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

# CERTIFICATE OF WASTE STATUS NON - EXEMPT RCRA WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.	
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Trasido Chaco Plant Fence	
Inside Chaco Plant Fence T26N, R12W, Section 16	
126N, KIZW, Jection 16	
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	4
Source of Material: Crane turned over t	spilled
Source of Material: Crane turned over the hydranlic oil after hose broke	
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I Jerry Harpole	
Representative for Four-Four, Inc.	
- Cur , Cur,	
~;	•
	<del></del>
Resource Conservation and Recovery Act (RCRA), but has been id	entified as non-
hazardous by characteristic analysis or by product identification.	ATTITUTE OF THE PROPERTY.
The appropriate documentation is hereto attached.	
The appropriate documentation is hereto attached.	
The appropriate documentation is hereto attached.  Check appropriate line(s)	
The appropriate documentation is hereto attached.	
The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information	
The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity	
The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency	
The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in	the processes
The appropriate documentation is hereto attached.  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in employed or chemicals stored / used at the facility	the processes
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# **Material Safety Data Sheet**

CHEVRON AW Hydraulic Oil 32

CPS 234225

#### ADDITIONAL HEALTH DATA

Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following, depending on concentration and length of exposure: nasal discharge, nosebleed, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

This product contains zinc dialkyldithiophosphate (ZDDP). ZDDPs have been tested by repeated application to the skin of young rabbits for three weeks. These rabbits developed severe skin damage, weight loss, and adverse testicular effects. Follow-up studies indicated similar testicular effects can be produced by placing rabbits on a restricted diet and causing them to lose weight or by treating rabbits with simple caustic chemicals and causing them to develop both severe skin irritation and weight loss. Rats similarly treated with ZDDP did not develop testicular effects even when skin damage and weight loss occurred. These results indicate that the testicular effects seen in rabbits were not caused by the toxicity of ZDDPs but were due to the species reaction to stress from severe skin irritation and weight loss. There is no evidence that human exposure to ZDDPs in the workplace will cause testicular effects since occupational exposure does not cause stress from severe skin irritation and weight loss similar to that observed in rabbits. In summary, we now believe there is no risk of male reproductive impairment from working with ZDDP.

Several ZDDPs have also been found to have weak mutagenic activity in cultured mammalian cells. The low level of activity occurred only at ZDDP concentrations which were highly toxic to the test cells. Since mutagenic activity was observed with zinc chloride but not with calcium dialkyldithiophosphate, the weak mutagenic activity of ZDDP may be due to the zinc in the chemical. Zinc is abundant in the environment, is an essential element in our diets, and it is generally accepted that zinc is not a health hazard. Therefore, we do not believe the test results discussed above indicate a genetic hazard to employees working with ZDDPs. Appropriate personal hygiene procedures as outlined in the MSDS, should, of course, be followed since ZDDPs in concentrated form are irritating to the skin.

This product contains base oils which the International Agency for Research on Cancer (IARC) classifies as having no evidence of carcinogenic potential.

See Page 3.

#### SPECIAL PROTECTIVE INFORMATION

Eye Protection: No special eye protection is necessary.

**Skin Protection:** No special skin protection is necessary.

Respiratory Protection: No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standard, the use of an approved respirator is recommended.

Ventilation: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

#### FIRE PROTECTION

Flash Point: (COC)>375°F Autoignition Temp.: NDA Flammability Limits: n/a

Extinguishing Media: CO2, Dry Chemical,

Foam, Water Fog

Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See Hazardous Decomposition Products. Read the entire MSDS.

#### SPECIAL PRECAUTIONS

DO NOT weld heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

CAUTION! Do not use pressure to empty drum or explosion may result.

Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills.

Precautions if Material is Released or Spilled: Stop the source of the release. Clean up releases as soon as Contain liquid possible. to further contamination of soil, water or groundwater. Clean up spills using appropriate techniques such as sorbent materials or pumping. Where appropriate, and remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

#### REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable. Incompatibility (Materials to Avoid): May react with strong oxidizing materials. Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus; incomplete combustion can produce carbon monoxide.

Hazardous Polymerization: Will not occur.

#### PHYSICAL PROPERTIES

Solubility: Soluble in hydrocarbon solvents; insoluble in water.

Appearance (Color, Odor, etc.): Pale

yellow liquid.

Boiling Point: NDA

Melting Point: n/a

Specific Gravity: 0.87 @ 15.6/15.6°C

Vapor Pressure: n/a

Vapor Density (Air=1): n/a

Percent Volatile (Volume %): n/a

Evaporation: n/a

Pour Point: -30°C (Max.)

Viscosity: 28.8-32.0 cSt @ 40°C

n/a = Not Applicable
NDA = No Data Available

The above information is based on data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Dear Customer: This Bulletin contains impor.

Jonmental, health and toxicology information for your employees where any ordered this product. Please make sure this information is given to them. If you resell this product, this Bulletin should be given to the Buyer. This Form may be reproduced without permission.

Chevron U.S.A. Inc.

# **Material Safety Data Sheet**

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200). (Formerly Called MATERIAL INFORMATION BULLETIN)



CHEVRON AW Hydraulic Oil 32

CPS 234225

#### TYPICAL COMPOSITION

Highly refined base oils (CAS 64742-65-0, 64742-36-5, 64742-54-7)

99%

Inhibitors, demulsifier, antiwear agent and zinc dialkyldithiophosphate (CAS 68649-42-3)

18

#### EXPOSURE STANDARD

No Federal OSHA exposure standard or ACGIH TLV has been established for this material. Based on information reviewed to date, we recommend an exposure standard of 5 mg/m $^3$ . This is the Federal OSHA exposure standard and the ACGIH (1984-85) TLV for mineral oil mists.

#### PHYSIOLOGICAL & HEALTH EFFECTS

#### EMERGENCY & FIRST AID PROCEDURES

#### Eyes

Expected to cause no more than minor eye irritation.

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.

#### Skin

Expected to cause no more than minor skin irritation following prolonged or frequently repeated contact. See Additional Health Data.

Wash skin thoroughly with soap and water. Launder contaminated clothing.

#### Inhalation

Not expected to be acutely toxic by inhalation. Breathing mineral oil mist at concentrations in air that exceed the recommended exposure standard can cause respiratory irritation or discomfort. See Additional Health Data.

If respiratory irritation or discomfort occur, move the person to fresh air. See a doctor if irritation or discomfort continues.

#### Ingestion

Not expected to have acute systemic toxicity by ingestion.

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

X-IRC021 (07-85)

REQUEST FOR APPROVALED ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: □  Verbal Approval Received: Yes No□ By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE: 11/20/95	4. Generator WILLIAMS FIELD SERVICE
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site  LA JARA COMP. STA.
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter RILEY INDUSTRIAL
7. Originating Location of Material (Street Address or ULSTR) SEC 17 - T30N - R6W RIO ARRIBA COUNTY	8. State  NEW MEXICO
9. Check One	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> </ul>	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied b Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste classification of acceptance 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	assified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only Projected Date(s) for transportation: 11/29/95	tnose consigned for transport.
BRIEF DESCRIPTION OF THE MATERIAL:	
RUST, SCALE, DIRT, CONDENSATE FROM INSIDE OF TRUNK S PIPELINE AND STOREAGE TANK.	PEGENVED NOV 3 0 1995



	Die 3
Estimated Volume 35 Bbls. yd 3 Known Volume (to be entered by the operator at end of har hereby certify that the information above is true and complete to the best of my knowledge and belief.	ul):yd <sup>3</sup>
SIGNATURE	DATE11/30/95
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO.	(505) 334-8894
(This space for State Use)  APPROVED BY Demys Tunt TITLE Geologist	DATE 11/30/95
APPROVED BY TIME Dussy TITLE a	DATE
CONDITIONS OF APPROVAL, IF ANY:	



# TIERRA Environmental COMPANY Inc.

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

# of pages ▶ Z		Williams Field Services		632-4875
	From	M.	Phone #	Fax #
ILLIAMS FIELD SERVICES THE	11-29-95	iera Enliama		334-9054

CERTIFICAT	E OF	WAS	TE :	STATUS
EXEMPT	OILF	IELD	WA	STE

Fitle Supercentendent Date Mor 28, 1995	="	le Name, Section, To		•
This material originated in:  The State of New Mexico  The State of	LH JARI	Comp. Sta. S.	ec, 17 T-30 N	R-6-W W.M.F.
The State of New Mexico  The State of	Rio Ari	riba Co., N.M.		
Agency having jurisdiction therefore is attached.  Location is on: Delm, forest Tribal Other federal land Description of Material: Rust, Scale, dirt, Condensate from inside of Trunk's pipeline and Storage Tank  Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility  SE 1/4, Section 2, Township 29 North, Range 12 West NMPM  San Juan County, New Mexico  FRANK FORT  Representative for Williams Field Services  To hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that vould otherwise cause the waste to be classified as "Hazardous" by RCRA or any other federal, State of Local Jan Fregulation or ordinance.  Signature Thank  Date Nov 28, 1555	This materia	l originated in:		
Description of Material: Rust, Scale, dirt, Condensate  from inside of Trunk's pipeline. And Storage  Tauk  Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility  SE 1/4, Section 2, Township 29 North, Range 12 West  NMPM  San Juan County, New Mexico  FRANK FORT  Representative for Williams Field Services  to hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that to the best of my considered non-hazardous oilfield waste. I further certify that the waste that the considered non-hazardous oilfield waste. I further certify that the waste that the considered non-hazardous oilfield waste. I further certify that the waste that the considered non-hazardous oilfield waste. I further certify that the waste that the considered non-hazardous oilfield waste. I further certify that the waste that th	The State	of New Mexico		
Description of Material: Rust, Scale, dirt, Condensate  from inside of Trunk's pipeline. And Storage  Tank  Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility  SE 1/4, Section 2, Township 29 North, Range 12 West  NMPM  San Juan County, New Mexico  FRANK FORT  Representative for Williams FIELD SERVICES  To hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local Jaw regulation or ordinance.  Signature  The Material Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company	☐ The State Agency h	ofaving jurisdiction the	Letter f	rom Regulatory
Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  FRANK FORT  Representative for WILLIAMS FIELD SERVICES  To hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local law fregulation or ordinance.  Signature Date Mov 28, 1975	Location is o	n: ØBLM, FOREST	☐ TRIBAL ☐ O	THER FEDERAL LAND
Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  FRANK FORT  Representative for WILLIAMS FIELD SERVICES  To hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local law fregulation or ordinance.  Signature Date Mov 28, 1975	Description of	f Material: <u>Rust</u>	scale, dirt,	condensate
Destination: Tierra Environmental Company Inc.  Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  FRANK FORT  Representative for WILLIAMS FIELD SERVICES  To hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local law fregulation or ordinance.  Signature  Title Superinferdent  Date Mov 28, 1995				
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regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local law fregulation or ordinance.  Signature  Title Superindendent  Date  Date		Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count	andfarm Facility 2, Township 29 Nor y, New Mexico	
Signature Day Date Nov 28, 1995		Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count	andfarm Facility 2, Township 29 Nor y, New Mexico	
Fitle Supercentendent Date Mor 28, 1995	Representati do hereby certi regulation by the considered non- knowledge, no	Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count  FORT  We for William  That the waste describe the Resource Conservation that the material has been content.	andfarm Facility 2, Township 29 Nor y, New Mexico  S FIELD SEE  ed above is material that and Recovery Act (Re 1 further certify that commingled with the ex	empt waste that
	Representati do hereby certi regulation by the considered non- knowledge, no would otherwis	Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count Cort Cort Cort Cort Cort Cort Cort Cor	andfarm Facility 2, Township 29 Nor y, New Mexico  S FIELD SEE  ed above is material the h and Recovery Act (Re 1 further certify that commingled with the ex lassified as "Hazardous	empt waste that
	do hereby certification by the considered non-knowledge, no would otherwise other Federal, Signature	Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count Cort William Count Cort William Count Cort William Count Cort William Count Cort William Count Cort Conservation that ardous oilfield waste other material has been conservation that of Local law regulations of Local law regulations.	andfarm Facility 2, Township 29 Nor y, New Mexico  S FIELD SEE  ed above is material the a and Recovery Act (Re 1 further certify that commingled with the ex assisted as "Hazardous attion or ordinance.	ext is exempted from CRA) and is to the best of my empt waste that "by RCRA or any
	do hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certifice de hereby certification de hereby certification de hereby certification de hereby certification de hereby certification de hereby certification de	Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count CORT Ve for WILLIAM Ve for WILLIAM VE that the waste describe Resource Conservation hazardous oilfield waste, other material has been ce to cause the waste to be clear of Local law regulation.	andfarm Facility 2, Township 29 Nor y, New Mexico  S FIELD SEE  ed above is material that and Recovery Act (Recovery Act (Recovery Mexicon and Recovery Act (Recommingled with the expansified as "Hazardous attion or ordinance."	ext is exempted from CRA) and is to the best of my empt waste that "by RCRA or any
	Representative de hereby certification by the considered non moviedge, no evould otherwischer Federal, Signature  Title Supul	Crouch Mesa La SE 1/4, Section 2 NMPM San Juan Count CORT Ve for WILLIAM Ve for WILLIAM VE that the waste describe Resource Conservation hazardous oilfield waste, other material has been ce to cause the waste to be clear of Local law regulation.	andfarm Facility 2, Township 29 Nor y, New Mexico  S FIELD SER  ed above is material the a and Recovery Act (Re 1 further certify that commingled with the ex assifted as "Hazardous tion or ordinance.  Date	ext is exempted from CRA) and is to the best of my empt waste that "by RCRA or any

REQUEST FOR APPROVA ) ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ■ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes No□ By: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 11/29/95	BASIN DISPOSAL
2. Destination	5. Name of Originating Site
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	BASIN DISPOSAL
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter
7. Originating Location of Material (Street Address or ULSTR)	8. State
UNIT E & F SEC 3 - T29N - R11W	NEW MEXICO
9. <u>Check One</u>	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a c certificate per job.</li> </ul>	ertificate of waste from the Generator; one
<ul> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government</li> </ul>	
C. All requests for approval to accept non-exempt wastes must be accomanied by necesthe material is non-hazardous and the Generator's certification of origin. No waste classification will be approved.	assified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation: 12/01/95	
BRIEF DESCRIPTION OF THE MATERIAL:	
SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-MIXED WITH CLEAN SOIL	RECEIVED NOV 3 0 1995
	OIL CON. DIV.
Estimated Volume 350 yd 3 Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	at end of haul):yd <sup>3</sup>
SIGNATURE	DATE11/30/95



CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)
BASIN DISPOSAL
UNIT E & F SEC 3 - T29N - R11W
This material originated in:
■ The State of New Mexico
☐ The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Location is on:   BLM, FOREST  TRIBAL  OTHER FEDERAL LANG
Description of Material:
SOLIDS FROM WASTE WATER INJECTION
PROCESS PRE-MIXED WITH CLEAN SOIL
Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
Representative for BASIN DISPOSAL
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature  Date 11-29-95  Address P.O. Box 100
A7TEC NM 87410

EQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1, RCRA Exempt: ☐ Non-Exempt: ☐ Ott. CONSERVATION	Generator
Verbal Approval Received: Yes No By: DENNY FOUST:  (Submitting this form for oilfield exempt waste is optional) DATE: '95 NO 75 7	GARYWILLIAMS ENERGY
	e of Originating Site
2. Destination  Tierra Environmental Co., Inc. Crouch Mesa Landfarm	MONTAZUMA CREEK STATION
3. Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	SUNCO TRUCKING
7. Originating Location of Material (Street Address or ULSTR)	8. State
MONTAZUMA CREEK STATION	UTAH
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a c certificate per job.	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by necesthe material is non-hazardous and the Generator's certification of origin. No waste classification of origin. No waste classification of origin. No waste classification of origin.	ssary chemical analyses to prove assified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	7 1995 U
TANK BOTTOM SLUDGES FROM TANK CLEANING  SEE ATTACHED TCLP  DISCONNECTED TO 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	NO. 2 NOV - 3 1895
EMIE Dangens Willers	ON COM. DIV.
Estimated Volume 120 BBLS. yar Known Volume (to be entered by the operator lereby certify that the information above is true and complete to the best of my knowledge and belief.	at end of haul);yd <sup>3</sup>
SIGNATURE PRESIDENT TITLE PRESIDENT	DATE11/01/95
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPH	ONE NO. (505) 334-8894
APPROVED BY Deny S. Tout TITLE Geologist	DATE 11/3/95
APPROVED BYTITLE	DATE
onditions of APPROVAL, IF ANY: This is from Utah ar any Utah papernork?	e we requiring
any Utah papernork?	/

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: □ Non-Exempt: □  Verbal Approval Received: Yes□ No ■ By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE:	4. Generator GARY WILLIAMS ENERGY
2. Destination  Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site  MONTAZUMA CREEK  STATION
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter SUNCO TRUCKING
7. Originating Location of Material (Street Address or ULSTR)  MONTAZUMA CREEK STATION	8. State UTAH
9. Check One	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government</li> </ul>	y a certification of waste status from the
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste clearly be approved.  All transporters must certify that the wastes delivered are only	ssary chemical analyses to prove assified as hazardous by listing or testing
Projected Date(s) for transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	and 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 o
TANK BOTTOM SLUDGES FROM TANK CLEANING SEE ATTACHED TCLP	DEGEIVED



OIL CON. DIV. Dist. 3

Estimated Volume	120 BBLS. yd³ Known Volu	me (to be entered by the operator at end of ha	ul):	vd <sup>3</sup>
hereby certify that the information	on above is true and complete to the best of my knowledge and t	belief.		
SIGNATURE	Phing Cololi TITLE_	PRESIDENT	DATE _	11/01/95
TYPE OR PRINT	NAME PHILLIP C. NOBIS	TELEPHONE NO.	(505) 3	334-8894
(This space for State Use)				
APPROVED BY _/	Derry B. Joint TITLE (	Geolog ist	DATE _/	11/3/95
APPROVED BY	TITLE		DATE	
CONDITIONS OF APPR	OVAL, IF ANY:			

RESULTS TESTS

10/31/95

JOR NUMBER: 953111

CUSTOMER: ONSTTE TECHNOLOGIES LIMITED ATTN 2 DAVE COX 2 1000

505 325 6256

CLIENT 1.D..... TIE 1001 MONTEZUMA CREEK

DATE SAMPLED.....: 10/17/95
FIME SAMPLED.....: 08:42
WORK DESCRIPTION...: SLUDGE/TANK COMPOSITE

LABORATORY 1.D...: 953111-0002

DATE RECEIVED ...: 10/19/95

TIME RECEIVED....: 13:00

REMARKS....

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		- 1	1 Y X	- H
- 5.3		20	4 6	11
4 4			F */	.44

EST DESCRIDITON	FINAL RESULT	LIMITS TO LEUTION	UNITS OF MEASURE	TEST METHOD	DATE:	7,
CLP Semivolatiles		*5		EPA SW-846 8270	10/26/95	Ĝ
1,4-Dichlorobenzene	< <b>50</b>	50	lug/L	EPA SV-846 8270	1	
2,4-Dinitrotoluene	<50	50	ug/L	EPA SW-846 8270	1	
Hexach Lorobenzene	<50	50	ug/L	EPA SW-846 8270	Ì	
Hexachlorobutadiene	<50	50	lug/L	EPA SW-846 8270	1	
<b>Hexachloroethane</b>	<50	50	ug/L	EPA SV-846 8270	1	
Ni trobenzene	<50	50	Ug/L	EPA SW-846 8270	1	
Pentachlorophonol	<250	250	138/1	EPA SW-846 8270	İ	
2,4,5-Trichtorophenot	<50	50	ug/L		1	
2,4,6-Trichtorophenot	<5D	50		EPA SW-846 8270	}	
Pyridine	<50	50	ug/E	EPA SW-846 8270	1	
p.m-Cresot	64	50	lug/L	EPA SW-846 8270	1	
0-Cresol	77	50	lug/L lug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	69	0	% Recovery	CFA SW-846 8270	I	
Phenot-d6 (Surrogate)	91	č		21-83% OC LIMITS	<b>_</b>	
Witrobenzene-d5 (Surrogate)	95	o o	X Recovery X Recovery	24-94% OC LIMITS	}	
2-fluorobiphenyl (Surrogate)	85	Ö		35-102% QC LIMITS	1	
2,4,6-Tribromophenal(Surrogate)	71	Ò	% Recovery	43-103% OC LINITS	1	
Terphenyl-d14 (Surrogate)	77	ñ	% Recevery	28-111% OC LIMITS		
in process and tour organics	''	U	% Recovery	43-117% QC LIMITS	1	
LP Volatiles		<b>*</b> 50		EPA SW-846 8260	10/26/95	ç
Benzene	7000	250	  ug/L	EPA SW-846 8260	ļ	
Carbon tetrachloride	<250	250	ug/L		1	
Chlorobenzene	<250	250	ug/L ug/L	EPA SW-846 8260	l	
Chloroform	<250	250	ug/L	EPA SN-846 8260	1	
Methyl ethyl ketone	<2500	Z500	ug/L	EPA SU-846 8760	l	
Trickloroethene	<250		= 1	EPA SW-846 8260	1	
Vinyl chloride	₹200		ug/L ug/L	EPA SH-846 8260	1	
1,2-Dichloroethane	<250	1	-	EPA SW-846 8260	İ	
Tetrachloroethene	<250		ug/L	EPA SW-846 8260	1	
1,1-Dichtoroethene	<250		119/L	EPA SW-846 8260	ì	
Dibramafluoromethanc(Surrogate)	102		ug/L	EPA SW-846 8260	1	
Totuene d-8 (Surrogate)			% Recovery	86-115% GC LIMITS		
4.Browcftuorobenzene(Surrogate)	97 88	0 ; 5 i	% Recovery % Recovery	188-110% QC LIMITS		
raction - TCLP Semivolatiles	Completed	†	-	EPA SW-846 3520	10/23/95	Le
ss Jar Extraction for Metals	Completed			EPA SW-046 1311	10/20/95	Ωŧ
ss Jar Extraction-Semivolatiles	Completed			EPA SU-846 1311	10/20/95	D
onio (As), extractable TCLP	<0.05	0.05	πg/L	EPA SW-846 6010	10/25/95	GI

1733 WORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TV 78408 (512) 289-2673

FAGE:3

ON SITE TECHNOLOGIES

RESULTS LABURATORY 1 E S 1 8 10/31/95

DE NUMBER : 953111 CUSTOMER : ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

CALENT 1.0.....: TIE 1001 MONTEZUMA CREEK DATE SAMPLED....: 10/17/95 TIME SAMPLED....: 08:42 WORK DESCRIPTION...: SLUGGE/TANK COMPOSITE

THE PARTY

LABORATORY 1.D...: 953111-0002 DATE RECEIVED...: 10/19/95 TIME RECEIVED...: 13:00

REMARKS.....

SP DESCRIPTION	FINAL RESULT	EIMITS/*OJLUTION	UNITS OF MEASURE	TEST METROD	DATE	TEC
irīum (Bo), extractable TCLP	1.03	0.05	mg/L	EPA 5W-846 6010	10/25/95	GC
delum (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	G
omium (Cr), extractable ICLP	<0.05	c.05	mg/L	EPA SW-846 6010	10/25/95	Q
d (Pb), extractable TCLP	<0.05	0.05	mg/ <u>L</u>	EFA SW-846 6010	10/25/95	Ç
enium (Se), extractable TCLP	0.09	0.05	mg/L	EPA 5W-846 6010	10/25/95	Ç
ver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	C
mmability Potential	Positive		+ or -	ASTH 04982-89	10/27/95	u
enide, Reactive	<s< td=""><td>5</td><td>mg/kg</td><td>EPA SW-846 7.3.3.2</td><td>10/24/95</td><td>0</td></s<>	5	mg/kg	EPA SW-846 7.3.3.2	10/24/95	0
rrogivity by pH	7.1	0.1	pH units	EPA SW-846 9045 C	10/25/95	s
tide, Reactive	80	50 -	ma/kg	EPA SH-845 7.3.4.2	10/20/95	D
cury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	10/25/95	Ę
als Digest on Extracted Sample	COMPLETED			EPA SW-846 3010	10/24/95	1
o Headspace Extraction-Volatile	completed			EPA SW-846 1311	10/20/95	0
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			) !			

9024

TIERRA ENVIRON

**2**002



CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

# TIERRA ENVIRONMENTAL CORPORATION

# CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Originating	
Site: (Include Name, Section, Township, Range, 1/4, etc.)	
BISTI: TZ9N RIIW SEC 17 SE 1/4 SAN JUAN	COULDTY, NKY
MONTE ZUMA CREEK : 1405 RZ46, SEC 32 MON	TROUMA CREEK L
BISTI: TZ9N RIIW SEC 17 SE 1/4 SAN JUAN MONTE ZUMA CREEK : 1405 RZ45, SEC 32 MON	SAN JUAN COUN
Source: SOIL CONTAMINATED WITH CRUDE OU	FROM
ACCUMULATION OF MINOR SPILLS DURIN	
TRUCK OFFLOADING OPERATIONS.	ر يور بغير المراجع المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة الم
avair ila visi	
CHRIS HAWLEY	representative
I CHRIS HAWLEY for GARY-WILLIAMS ENERGY CORPORATION  370 17114 ST. SUITE 5300	
	····
DENVER, CO 80202	
do hereby certify that the waste described above is non-exempt, ac	cording to the
Resource Conservation and Recovery Act (RCRA), but has been ide	ntified as non-
hazardous by characteristic analysis or by product identification.	
The appropriate documentation is hereto attached.	
Check appropriate line(s)	
MODE 1-6	
MSDS Information	
RCRA TCLP Analysis	
RCRA Metals	
Corrosivity, Ignitability, Reactivity	
Letter from Out of State Regulatory Agency	
I further certify that there has been no change in the proces	
or chemicals stored / used at the facility generating the wa	ste
since	
Signature CMD + MWW	
Title ENUR, MANAGER	
	,
Date 11-9-95	

REQUEST FOR APPROVAL 1 ACCEPT SOLID WASTE	************************
1. RCRA Exempt: ☐ Non-Exept: ☐ 95043 Verbal Approval Received: Yes ■ No ☐ By: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 10/18/95	Generator 7. GARY WILLIAMS ENERGY 52
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site BISTI STATION
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter SUNCO
7. Originating Location of Material (Street Address or ULSTR) BISTI STATION	8. State  NEW MEXICO
<ul> <li>9. Check One</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government</li> <li>C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste cl will be approved.</li> <li>All transporters must certify that the wastes delivered are only</li> </ul>	y a certification of waste status from the agency; two certificates per job.  ssary chemical analyses to prove assified as hazardous by listing or testing
Projected Date(s) for transportation:	· ·
Estimated Volume 140 BBLS. yd 3 Known Volume (to be entered by the operator)	17 1995  17 1995  18
hereby certify that the information above is true and complete to the best of my knowledge and belief.	DATE 11/01/95
SIGNATURETITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLEPRESIDENTTITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLETITLE	DATE 11/01/95 HONE NO. (505) 334-8894
APPROVED BY Demy 2. Funt TITLE Goolog 157	
APPROVED BYTITLE	
conditions of approval, if any: Held for centificate of maste Si	tatus

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
95043	4. Generator
Verbal Approval Received: Yes⊠ No□ By: DENNY FOUST	GARY WILLIAMS
(Submitting this form for oilfield exempt waste is optional) DATE: 10/18/95	ENERGY
(cashinang and form of china change waste to optional) DATE.	5. Name of Originating Site
2. Destination	BISTI STATION
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	DISTI STATION
2 Address of Escility Operator	6. Name of Transporter
3. Address of Facility Operator	SUNCO
420 CR. 3100 AZTEC, NM 87410	1
7. Origination I profile of Material (Charat Address and III CTD)	8. State
7. Originating Location of Material (Street Address or ULSTR)	NEW MEXICO
BISTI STATION	
9. Check One	<u> </u>
9. Check One	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> </ul>	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate government	by a certification of waste status from the
C. All requests for approval to accept non-exempt wastes must be accomanied by neceptathe material is non-hazardous and the Generator's certification of origin. No waste continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous continuous contin	
the material is non-hazardous and the Generator's certification of origin. No waste c will be approved.	lassified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	-
TANK BOTTOM SLUDGES FROM TANK CLEANING	,
SEE ATTACHED TCLP	DEORDO
	HGGGIVED
	NOV - 3 1995
	OIL COM DIV
	DIM. 3
Estimated Volume 140 BBLS. yd <sup>3</sup> Known Volume (to be entered by the operato	r at end of haul):yd <sup>3</sup>
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE Skirt CASC. TITLE PRESIDENT	DATE11/01/95
	DATE 11/01/95 HONE NO. (505) 334-8894
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPI	
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPI	
TYPE OR PRINT NAME PHILLIP C. NOBIS  This space for State Use)	HONE NO(505) 334-8894



CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 952966 Prepared For:

ONSITE TECHNOLOGIES LIMITED
DAVE COX
657 W. MAPLE
FARMINGTON, NM 87401

Date: 10/17/95

Signature

Name: Charles Sassine

Title: Laboratory Supervisor

CORE LABORATORIES

1733 NORTH PADRE ISLAND DRIVE

CORPUS CHRISTI, TX 78408



LABORATORY

TESTS 10/17/95

RESULTS

JOB NUMBER: 952966

CLIENT I.D..... 4-1247

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

LABORATORY I.D...: 952966-0001

DATE SAMPLED.....: 10/06/95

TIME SAMPLED.....: 09:05 WORK DESCRIPTION...: TANK BOTTOMS 8533-3532

DATE RECEIVED...: 10/09/95 TIME RECEIVED...: 10:30

REMARKS..... SAMPLED BY: TOOD

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
TCLP Semivolatiles ,		*5		EPA SW-846 8270	10/16/95	GEI
1.4-Dichlorobenzene	<50	50	ug/L	EPA SW-846 8270	1	•
2,4-Dinitrotoluene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<50	50	ug/L	EPA SH-846 8270		
Hexachloroethane	<50	50	ug/L	EPA SW-846 8270		
Nitrobenzene	<50	50	ug/L	EPA SW-846 8270	i	
Pentachlorophenol	<250	250	ug/L	EPA SW-846 8270		
2,4,5-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
Pyridine	<50 <50	50	ug/L	EPA SW-846 8270		
p,m-Cresol	110	50	ug/L	EPA SW-846 8270		
o-Cresol	210	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	57	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	87	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	99			35-102% QC LIMITS		
	7.5		% Recovery			
2-Fluorobiphenyl (Surrogate) 2,4,6-Tribromophenol(Surrogate)	114	0	% Recovery	43-103% QC LIMITS	1	
	84	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	90	U	% Recovery	43-117% QC LIMITS		
TCLP Volatiles		*100		EPA SW-846 8260	10/17/95	QP
Benzene	8000	500	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<500	500	ug/L	EPA SW-846 8260	1	
Chlorobenzene	<500	500	ug/L	EPA SW-846 8260		
Chloroform	<500	500	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<5000	5000	ug/L	EPA SW-846 8260		
Trichloroethene	<500	500	ug/L	EPA SW-846 8260	}	
Vinyl chloride	<400	400	ug/L	EPA SW-846 8260	İ	
1,2-Dichloroethane	<500	500	ug/L	EPA SW-846 8260		
Tetrachloroethene	<500	500	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<500	500	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	106	0	% Recovery	86-115% QC LIMITS	1	
Toluene d-8 (Surrogate)	97	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	94	Ō	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	10/11/95	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	10/09/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	10/09/95	DGP
Arsenic (As), extractable TCLP	0.07	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC



LABORATORY

TESTS RESULTS

10/17/95

JOB NUMBER: 952966

CLIENT I.D..... 4-1247 DATE SAMPLED....: 10/06/95 TIME SAMPLED....: 09:05

WORK DESCRIPTION...: TANK BOTTOMS 8533-3532

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

LABORATORY I.D...: 952966-0001

DATE RECEIVED...: 10/09/95 TIME RECEIVED...: 10:30

REMARKS..... SAMPLED BY: TODD

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE 1	TECHN
Barium (Ba), extractable TCLP	2.53	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Lead (Pb), extractable TCLP	0.11	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Flammability Potential	Positive		+ or -	ASTM D4982-89	10/17/95	EBS
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/11/95	DEH
Corrosivity by pH	6.1	0.1	pH units	EPA SW-846 9045 C	10/17/95	SEB
Sulfide, Reactive	1000	50	mg/kg	EPA SW-846 7.3.4.2	10/11/95	DEH
Mercury (Hg), extractable, TCLP	<0.02	0.02	mg/L	EPA SW-846 7470	10/13/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/12/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/09/95	DGP
,						
	1	İ	I	I		



1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673

			QUA	LITY	10/17/95	NCE RE	PORT			-
JOS NUMBER:	952966	CUSTONE	R: ONSITE T	ECHNOLOGIES	LIMITED		ATTN: DAV	E COX		
	ANAI	YSIS		DUPL	CATES	REFERENC	E STANDARDS		MATRIX SPIKE	S
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
	ulfide, React IMIT/DF: 50	tive UNITS:mg/k				1/95 06:30 SW:846 7.3.4	.2		QC BATCH N	UMBER:99168 Chnician:de
BLANK	MB 101195	Di H20	<50			<b>I</b>				
STANDARD	LCS	508.18.17	289		İ	300	96	1.50	700	
SPIKE DUPLICATE	MS MD	952965-1 952965-1	269 <50	<50	NC			<50	300	90
POPEIGNIE	וחט	1,25,03	1,70	1 20	, ac				1	
PARAMETER:C REPORTING L	yanide, Reac IMIT/DF:	tive UNITS:mg/i				1/95 06:30 SW-846 7.3.3	.2		QC BATCH N	UMBER:99169 CHNICIAN:DE
BLANK	MB 101195	Di H20	<5							
STANDARD	LCS	508.24.7	1.97	1	1	1.93	102		l	
SPIKE	PDS	952965-1	1.63	1 _	1 _			<b>  &lt;</b> 5	1.88	87
DUPLICATE	MD	952965-1	<5	<5	0			1		
	Hercury (Hg), INIT/DF: 0.0					3/95 08:00 SW-846 7470			QC BATCH N	UMBER:99204 CHNICIAN:EE
BLANK	мв	DiH2O	<0.002		•					
STANDARD	RS	367.49	0.018			0.020	90			1
SPIKE	MS MD	952967-1 952967-1	0.053	-0.000	,,,	1 .		<0.002	0.050	106
DUPLICATE	Len T	732701-1	<0.002	<0.002	NC	<u> </u>				
	ursenic (As), .INIT/DF: 0.0			DATE/TIME A	*************	6/95 14:04 846 6010A			QC BATCH N	UMBER:99215 CHNICIAN:GC
BLANK	мв	200.7	<0.05				-			
BLANK	MB	3010	<0.05		1			1		1
BLANK	MB	3005	<0.05					I		
STANDARD	ICV	90895	0.98		1	1.00	98			
STANDARD SPIKE	CCV MS	1013C 952948-001	4.87 0.83	1	1	5.00	97	<0.05	1.00	83
SPIKE	MS	952965-001	0.83		1			<0.05	1.00	83
DUPLICATE	MD	952920-001	0.09	0.07	0.02	1		10.05		
DUPLICATE	MD	952965-001	<0.05	<0.05	NC	ŀ		1		
	Jarium (Ba), .IMIT/DF: 0.0			DATE/TIME A METHOD REFE			-1	•	QC BATCH N	UMBER:99215 CHNICIAN:GO
BLANK	МВ	200.7	<0.05	ľ						
BLANK	МВ	3005	<0.05		1	1		ľ		
BLANK	МВ	3010	<0.05	1	1					
STANDARD	ICV	70895	0.99		1	1.00	99			
STANDARD	CCV	1013C	4.84		1	5.00	97	-0 0E	1.00	83
SPIKE SPIKE	MS MS	952948-001 952920-001	0.83 0.85		1			<0.05 <0.05	1.00	85
DUPLICATE	MD	952920-001	<0.05	<0.05	NC			1 3.05	1.00	
: -:	MD	952965-001	0.67		13	I	1		1	
DUPLICATE	שאו	776707-001	U.07	0,59	1.3		ŀ			

PAGE:3



		***************************************	***************************************		10/17/95					
OB NUMBER:		CUSTOME	R: ONSITE T	ECHNOLOGIES			ATTN: DAVI	•		
	ANAL	YSIS		DUPLICATES		REFERENCE	E STANDARDS		MATRIX SPIKE	:S
NALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
ARAMETER:BE	rium (Ba), e MIT/DF: 0.05	xtractable T UNITS:mg/L		DATE/TIME AP METHOD REFER						IUMBER:9921! ECHNICIAN:G
	I			I					oc naven	limera 20034
		extractable UNITS:mg/L		DATE/TIME AI METHOD REFEI						IUMBER:9921! ICHNICIAN:G
LANK	МВ	200.7	<0.05							
BLANK BLANK	MB MB	3010 3005	<0.05 <0.05							
TANDARD	icv	90895	0.98	1.		1.00	98			
TANDARD	CCV	1013C	4.83			5.00	97			
PIKE	MS	952965-001	0.85			1		<0.05	1.00	85
PIKE	MS	952920-001	0.84			1	1	<0.05	1.00	84
UPLICATE	MD	952920-001	<0.05	<0.05	NC NC	l		1		
UPLICATE	MD	952965-001	<0.05	<0.05	NC			<u> </u>		
		extractable UNITS:mg/L		DATE/TIME AI METHOD REFEI						NUMBER:9921 ECHNICIAN:G
BLANK	МВ	200.7	<0.05							
ILANK	MB	3010	<0.05	1		1			1	
BLANK	MB	3005	<0.05	1						
TANDARD	ICA	90895	1.00	1		1.00	100		İ	
TANDARD	CCA	1013C	4.89	ł		5.00	98	-0.05	4.00	92
PIKE	MS	952948-001	0.82	ł				<0.05 <0.05	1.00	82 81
PIKE	MS	952965-001	0.81	0.00	0.01			₹0.05	1.00	61
UPLICATE UPLICATE	MD MD	952920-001 952965-001	0.09 <0.05	0.08 <0.05	0.01 NC	1	1			
	1	1	<u> </u>	DATE/TIME A		4/0E 1/+0/	1	1	OC BATCH I	   NUMBER
		ractable TCL UNITS:mg/L		METHOD REFE			<del> </del>	•		CHNICIAN:G
BLANK	MB	200.7	<0.05							
BLANK	MB MB	3010 3005	<0.05 <0.05	1		1		1		ļ
BLANK		90895	1.02			1.00	102	ł	1	
STANDARD STANDARD	CCA	1013C	4.89	1		5.00	98	1		ŀ
PIKE	MS	952965-001	0.81			1 2.55	/-	<0.05	1.00	81
PIKE	MS	952953-001	0.85					<0.05	1.00	85
UPLICATE	MD	952920-001	<0.05	<0.05	NC	İ		1	İ	
UPLICATE	MD	952965-001	<0.05	<0.05	NC	İ	ļ	1	1	
		extractable UNITS:mg/L		DATE/TIME A METHOD REFE						NUMBER: 9921 ECHNICIAN: 0
BLANK	МВ	200.7	<0.05	Ι						
BLANK	MB	3010	<0.05	1 .		1			1	
BLANK	MB	3005	<0.05			1				
						Ĭ				
	<u> </u>	<u> </u>	•	1		#	1733 NORT	H PADRE ISLA	AND DRIVE	



			QUA	LITY	A S S U R A 1 10/17/95	ICE RE	PORT			
JOB NUMBER:	952966	CUSTOME	R: ONSITE T	ECHNOLOGIES	LIMITED		ATTN: DAVE	COX		
	ANA	LYSIS		DUPL	ICATES	REFERENCE STANDARDS			MATRIX SPIKE	s
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (8)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
		extractable UNITS:mg/L			NALYZED: 10/1					UMBER:992156 CHNICIAN:GCC
STANDARD STANDARD SPIKE SPIKE DUPLICATE DUPLICATE	CCV ICV MS MS MD MD	1013C 90895 952965-001 952920-001 952920-001 952965-001	4.92 1.00 0.89 0.84 <0.05 <0.05	<0.05 <0.05	NC NC	5.00 1.00	98 100	<0.05 <0.05	1.00 1.00	89 84
		extractable T 5 UNITS:mg/L			NALYZED:10/10 RENCE : SW-1					UMBER:992157 CHNICIAN:GCC
BLANK BLANK BLANK STANDARD STANDARD SPIKE SPIKE DUPLICATE DUPLICATE	MB MB ICV CCV MS MS MD MD	200.7 3010 3005 70895 1013C 952965-001 952920-001 952920-001 952965-001	<0.05 <0.05 <0.05 0.94 4.70 0.81 0.80 <0.05 <0.05	<0.05 <0.05	NC NC	1.00 5.00	94 94	<0.05 <0.05	1.00 1.00	81 80
PARAMETER: F REPORTING L	Lammability   IMIT/DF:	Potential UNITS:+ or	-	DATE/TIME AI METHOD REFEI	NALYZED: 10/1 RENCE : ASTM	7/95 16:00 D4982-89				UMBER:992270 CHNICIAN:EBS
DUPLICATE	MD	952966-1	Positive	Positive	0					
	orrosivity by IMIT/DF: 0.1	y pH UNITS:pH u			HALYZED:10/1 RENCE :EPA :	7/95 13:00 SW-846 9040B				UMBER: 992271 CHNICIAN: SEB
STANDARD DUPLICATE	LCS 4	386.20.32 952965-1	7.04 7.8	7.9	1	7.00	101			
		·					1733 NORTH CORPUS CHR (512) 289-		ND DRIVE 78408	<u> </u>

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QUALITY ASSURANCE REPORT

10/17/95

JOB NUMBER: 952966 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/16/95 TIME ANALYZED: 13:20 METHOD: EPA SW-846 8270

QC NUMBER:992263

EST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASU
					10	ug/L
,4-Dichlorobenzene	MB MB	100 <del>995</del> 101095	1 1	<10 <10	10	ug/L
,4-Dinitrotoluene	MB	100995	i	<10	10	ug/L
,	MB	101095	1	<10	10	ug/L
exach l orobenzene	MB	100995	1	<10	10	ug/L
	MB	101095	1 1	<10 <10	10	ug/L ug/L
lexach lorobutadiene	MB MB	100995 101095	1	<10	10	ug/L
lexachloroethane	MB	100995	1 1	<10	10	ug/L
exacittoi oetilarie	MB	101095	i i .	<10	10	ug/L
litrobenzene	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Pentachlorophenol	MB	100995	1 1	<50	50 50	ug/L
	MB	101095	1 1	<50 <10	10	ug/L ug/L
2,4,5-Trichlorophenol	MB MB	100995 101095	1 1	<10 <10	10	ug/L
,4,6-Trichlorophenol	MB	100995	1 i	<10	10	ug/L
., To it ionto ionoto	MB	101095	i	<10	10	ug/L
Pyridine	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
resols (Total)	MB	100995	1	<30	30	ug/L
	MB	101095	1	<30	30	ug/L
					1	
		1				
	l					
	<b>!</b>				1 .	
				1		
			1			1
				1		
	1	1		i	1	1



TCLP SEMIVOLATILES

### **CORE LABORATORIES**

ASSURANCE REPORT QUALITY

10/17/95

JOB NUMBER: 952966 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/16/95 TIME ANALYZED: 13:20 METHOD: EPA SW-846 8270

QC NUMBER:992263

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SP1KE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
,4-Dichlorobenzene	BS	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	180	0	250	72	10	ug/L
,4-Dinitrotoluene	BS	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	190	0	250	76	10	ug/L
exach l orobenzene	BS	100995-00	1	230	0	250	92	10	ug/L
	BS	101095-00	1	250	0	250	100	10	ug/L
exach lorobutadiene	BS	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	210	0	250	84	10	ug/L
exach l oroethane	BS	100995-00	1	190	0	250	76	10	ug/L
	BS	101095-00	1	170	0	250	68	10	ug/L
itrobenzene	BS	100995-00	1	240	0	250	96	10	ug/L
	8S	101095-00	1	210	0	250	84	10	ug/L
entach loropheno l	BS	100995-00	1	540	0	750	72	50	ug/L
	BS	101095-00	1 1	600	0	750	80	50	ug/L
,4,5-Trichlorophenol	BS	100995-00	1	600	0	750	80	10	ug/L
	BS	101095-00	1	790	0	750	105	10	ug/L
,4,6-Trichlorophenol	BS	100995-00	1	270	0	250	108	10	ug/L
	BS	101095-00	1	270	į o	250	108	10	ug/L
yridine	BS	100995-00	1	500	0	500	100	10	ug/L
	BS	101095-00	1	540	0	500	108	10	ug/L
resols (Total)	BS	100995-00	1	690	0	750	92	30	ug/L
	BS	101095-00	1	690	0	750	92	30	ug/L



ASSURANCE REPORT QUALITY

10/17/95

JOB NUMBER: 952966 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260 TCLP Volatiles

QC NUMBER:992279

DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEA
nyl chloride	MB	100995	1	<5	5	ug/L
ily Control (ac	MB	100995	1 1	<5	5	ug/L
1-Dichloroethene ,	MB	100995	1	<5	5	ug/L
	МВ	100995	1	<b>&lt;</b> 5	5	ug/L ·
thyl ethyl ketone	MB	100995	1	<50	50	ug/L
	MB	100995	1	<50	50	ug/L
loroform	MB	100995	1	<5	5 5	ug/L
	MB	100995	1 1	<5 <5	5	ug/L
rbon tetrachloride	MB	100995	1	<b>\$</b>	5	ug/L
2 mishlassakhana	MB MB	100995 100995		<b>₹</b>	5	ug/L ug/L
2-Dichloroethane	MB	100995		%	5	ug/L ug/L
nzene	MB	100995	1	<5 <5	5	ug/L ug/L
HACT PC	MB	100995	i .	₹5	5	ug/L
ichloroethene	MB	100995	i i	₹5	5	ug/L
ionitor octione	MB	100995	1	<b>&lt;</b> 5	1 5	ug/L
trachloroethene	MB	100995	1	<b>&lt;</b> 5	5	ug/L
	MB	100995	1	<5	5 5	ug/L
lorobenzene	MB	100995	1 . 1	<b>&lt;</b> 5	j 5	ug/L
	MB	100995	1 1	<5	5	ug/L
	1					
						,
				•		
	1					
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TCLP Volatiles

# **CORE LABORATORIES**

ASSURANCE QUALITY REPORT

10/17/95

JOB NUMBER: 952966 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260

QC NUMBER:992279

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
/inyl chloride	cc	342.94.1	1	103	100	103	5	ug/L
,1-Dichloroethene	CC	342.94.1	1 1	124	100	124	5	ug/L
lethyl ethyl ketone	cc	342.94.1	1 1	112	100	112	50	ug/L
thloroform	CC	342.94.1	1 1	110	100	110	5	ug/L
Carbon tetrachloride	cc	342.94.1	1	122	100	122	5	ug/L
,2-Dichloroethane	cc	342.94.1	1 1	129	100	129	5	ug/L
enzene	CC	342.94.1	1	110	100	110	5	ug/L
richloroethene	cc	342.94.1	1	114	100	114	5	ug/L
etrachloroethene	CC	342.94.1	1	119	100	119	5 5 5 5	ug/L
hlorobenzene	cc	342.94.1	1	114	100	114	5	ug/L
ibromofluoromethane(Surrogate)	cc	342.94.1	1	47	50	94	5	ug/L
oluene d-8 (Surrogate)	CC	342.94.1	1	51	50	102	5	ug/L
-Bromofluorobenzene(Surrogate)	CC	342.94.1	1	52	50	104	5	ug/L
					-			,



ASSURANCE REPORT QUALITY

10/17/95

JOB NUMBER: 952966 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260 TCLP Volatiles

QC NUMBER:992279

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY		UNITS OF MEASURE
inyl chloride	MS	952965-1	1	930	0	1000	93	5	ug/L
,	MSD	952965-1	1	950	0	1000	95	5	ug/L
,1-Dichloroethene	MS	952965-1	] 1	1110	) 0	1000	111	5	ug/L
	MSD	952965-1	1	1160	0	1000	116	5	ug/L
ethyl ethyl ketone	MS	952965-1	1	1100	0	1000	110	50	ug/L
	MSD	952965-1	1	1070	0	1000	107	50	ug/L
hloroform	MS	952965-1	1	1040	0	1000	104	5	ug/L
	MSD	952965-1	1	1080	0	1000	108	5	ug/L
arbon tetrachloride	MS	952965-1	1	1110	0	1000	111	5	ug/L
	MSD	952965-1	1	1120	0	1000	112	5	ug/L
,2-Dichloroethane	MS	952965-1	1	1280	0	1000	128	5	ug/L
	MSD	952965-1	1	1270 -	0	1000	127	5	ug/L
enzene	MS	952965-1	1	970	0	1000	97	5	ug/L
	MSD	952965-1	1	1000	0	1000	100	5	ug/L
richloroethene	MS	952965-1	1	990	0	1000	99	5	ug/L
•	MSD	952965-1	1	1000	0	1000	100	5	ug/L
etrachloroethene	MS	952965-1	1	950	0	1000	95	5	ug/L
	MSD	952965-1	1	980	O <sub>.</sub>	1000	98	5	ug/L
hlorobenzene	MS	952965-1	1	940	0	1000	94	5	ug/L
	MSD	952965-1	1	960	0	1000	96	5	ug/L
ibromofluoromethane(Surrogate	MB	100995-00	1	510	0	500	102	5	ug/L
•	MB	100995-00	1	520	0	500	104	5	ug/L
oluene d-8 (Surrogate)	MB	100995-00	1	500	0	500	100	5	ug/L
-	MB	100995-00	1	500	0	500	100	5	ug/L
-Bromofluorobenzene(Surrogate	MB	100995-00	1	480	0	500	96	5	ug/L
•	MB	100995-00	1	470	0	500	94	5	ug/L
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#### QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents:

EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.

USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.

EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.

Federal Register, July 1, 1992 (40 CFR Part 136).

Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.

Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

Quality control acceptance criteria are method dependent.

All data reported on sample "as received" unless noted.

Sample IDs with a \*-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

NC = Not Calculated due to value at or below detection limit.

NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.

The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.

The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

#### SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an \*\*\* and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

#### Core Laboratories :

**BLANKS\*** 

CCB = Continuing Calib. Blank

Anaheim \*AN Lake Charles \*LC
Aurora \*AU Long Beach \*LB
Casper \*CA Other Laboratories \*XX
Houston \*HP

#### QUALITY ASSURANCE REPORT CODES

REFERENCE STANDARDS

= Method Blank RS = Reference Standard MS = Matrix Spike, BS = Blank Spike

RB = Reagent Blank CC = Continuing Calib. SS = Surrogate Spike, MD = Matrix Dup.

SB = Storage Blank LCS = Laboratory Control Std. PDS= Post Digested Spike

ICB = Initial Calib. Blank ICV = Initial Calib. Verification MSD= Matrix Spike Duplicate

CCV = Cont. Calib. Verification

\*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673

SPIKES AND DUPLICATES

PDD= Post Digested Duplicate

~ 11/09/95 10:18

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TIERRA ENVIRON





CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

# TIERRA ENVIRONMENTAL CORPORATION

# CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Originating (True A. Vice Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.
Site: (Include Name, Section, Township, Range, 1/4, etc.)
BISTI: TZ9N, RIIW, SEC. 17, SE 1/4 SAN JUAN COUNTY, NIK MONTE ZUMA CREEK (T405, RZ4E, SEC 32, MONTERIMA CREEK, SAN JUAN COUNTY
MONTE ZUMA CREEK 17405 RZ46, SEC 32, MONTE BUMA CREEK
SAN JUAN COU
a a a a a a a a a a a a a a a a a a a
Source: SOIL CONTAININATED WITH CRUDE OIL FROM
ACCUMULATION OF MINOR SPILLS DURING
TRUCK OFFLOADING OPERATIONS.
I CHRIS HAWLEY representative
representative
for GARY-WILLIAMS ENERGY CORPORATION  370 1714 ST. SUITE 5300
DENVER, CO 80202
do hereby certify that the waste described above is non-exempt, according to the
Resource Conservation and Recovery Act (RCRA), but has been identified as non-
hazardous by characteristic analysis or by product identification.
The appropriate documentation is hereto attached.
The appropriate documentation is never attached.
Check appropriate line(s)
Cheer appropriate ine(3)
MSDS Information
RCRA TCLP Analysis
RCRA TCLF Altalysis
A SECOND CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO
Corrosivity, Ignitability, Reactivity
Letter from Out of State Regulatory Agency
I further certify that there has been no change in the processes employed
or chemicals stored / used at the facility generating the waste
since
Signature CMS + MWWY
Title ENUR, MANAGER
Date 11-9-95

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ■ Non-Exempt: □ 95047	4. Generator
Verbal Approval Received: Yes No□ By: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 11/13/95	RED CEDAR GATHERING CO. of DURÁNGO COLORADO
2. Destination	5. Name of Originating Site
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	VASTUR SITE 7-2;32-7
3. Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	ON SITE TECHNOLOGIES
7. Oddination Leading of M. J. (OL. J. A. L. J. (OTD.)	8. State
7. Originating Location of Material (Street Address or ULSTR)  SEC 7 - T32N - R7W La Plata COUNTY, CO.	COLORADO
9. Check One	•
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a c certificate per job.</li> </ul>	ertificate of waste from the Generator; one
<ul> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied beginning.</li> <li>Generator and the New Mexico Environmental Dept or other appropriate government</li> </ul>	
All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste cl will be approved.  All transporters must certify that the wastes delivered are only	assified as hazardous by listing or testing
Projected Date(s) for transportation:	anoco concignou for authoport.
BRIEF DESCRIPTION OF THE MATERIAL:	
SOIL CONTAMINATED BY OVERFLOW OF TRIETHYLE GLYCOL FROM DEHYDRATOR	NE DECEIVED NOV 1 7 1995 OIL CON. DIV. DIST. 3
Estimated Volume3-5yd <sup>3</sup> Known Volume (to be entered by the operator	at end of haul):yd <sup>3</sup>
hereby certify that the information above is true and complete to the best of my knowledge and belief.	11/12/05
SIGNATURE TITLE OPERATIONS MGR	DATE11/13/95
	HONE NO. <u>(505) 334-8894</u>
APPROVED BY Demy 2. Tout TITLE Geolog 15T	DATE 11/17/95
APPROVED BY Time TransfitTITLE 5	DATE 4

CONDITIONS OF APPROVAL, IF ANY:

3033



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE 6846 S. Canton, Suite 100 Tulsa, OK 74136 918-496-3200

REGIONAL OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

# CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)
VASter Site 7-2 32-7
This material originated:
In The State of New Mexico
Agency having jurisdiction therefore is attached.
Source: Overflow of Triethylene Clycolfrom Dehydosto. ON BILGIL Location (Approl Jyands)
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I BARRY G. HOLMAN representative for Red. Coden lathering Company of Duranyo, Colorado
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
Signature Kay Man
Title MANAGER Environment 1 + SAFF11
Addres 26266 Huy 160 Durango, Co. 81301
Date //-9-95

NOV-10-95 FRI 09:39 ON SITE TECHNOLOGI

# 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
I have reviewed the enclosed information concerning the oilfield waste material from Location >-2:32-5 VALTAN 7-12N-7W and agree that by its description
it is non-hazardous and therefore exempt from regulation by the Resourse Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.
The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.
The material is exempt from regulation by characteristic analysis.
The material is exempt from regulation by product identification.
THEREFORE:  As a representative for <u>Purcent hand Manage ment</u> I have no objections to the material being removed to New Mexico.
NAME: Dayable Englishman TITLE: Environmarked Partection
SIGNATURE DATE 11-9-95 DATE 11-9-95
AGENCY - Ruseau of Lund Management
ADDRESS 701 Camino del Rio, Durano Calando 81701
PHONE (970) 24>-40+2

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt:   Non-Exempt: □	4. Generator
Verbal Approval Received: Yes № No ☐  (Submitting this form for oilfield exempt waste is optional) DENNY FOUST	EL PASO NATURAL GAS
2. Destination	5. Name of Originating Site
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	See Attached List
Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	Doug Foutz Construction
7. Location of Material (Street Address or ULSTR)	8. State
See Attached List	New Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied be Generator and the New Mexico Environmental Dept or other appropriate government	y a certification of waste status from the tagency; two certificates per job.
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste could be approved.	essary chemical analyses to prove lassified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	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 the Control of the Control of the Control of the Control of the Control of the Control of the Co
BRIEF DESCRIPTION OF THE MATERIAL:	page 1
Various dehydrator and drip pits at closure sites closed during	Dean-
OCTOBER 1995	Neceiven
	) - 3 1995 [ <i>D</i> ]
DIA HOV 1 / 1895	OUL COM DUR
OIL CON. DIN.	DIBIL 3 COUN,
Estimated Volume 1450 yd 3 Known Volume (to be entered by the operato	r at end of haul):yd <sup>3</sup>
Thereby certify that the information above is true and complete to the best of my knowledge and belief.	GER DATE 10/31/95
TYPE OR PRINT NAME LARRY F. HUNTER  TELEPI	(#05) 224 0004
TYPE OR PRINT NAME LAKKY F. HUNTEK  (This space for State Use)	HONE NO. (505) 334-8894
APPROVED BY Donny of Fourt TITLE Geologist	DATE 11/17/95
APPROVED BY Excel Directifle	DATE
CONDITIONS OF APPROVAL, IF ANY:	



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache Farmington, NM 87401 505-325-0924

# CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)  A list of pit closure sites is attached 1995.
A list of pit closure sites is attached. 1995.
· · · · · · · · · · · · · · · · · · ·
This material originated:
XX In The State of New Mexico
From the State of Letter from the Regulatory
Agency having jurisdiction therefore is attached.
Cause Various debudrator and drin site
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West
NMPM
San Juan County, New Mexico
San Juan County, New Mexico
I Sandra D. Miller
representative for El Paso Natural Gas Company
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my
knowledge, no other material has been commingled with the exempt waste that
would otherwise cause the waste to be classified as "hazardous" by RCRA or any
other Federal, State or Local law, regulation or ordinance.
Signature Sandy Il Will
Signature Standy W Mills
į,
Title Sr. Compliance Scientist
Add. P.O. Roy (990: Farmington, NM 97/00
Addres P.O. Box 4990; Farmington, NM 87499
February 8, 1995
Date

			Tie vironmental October	1995	
Closed	Meter	Meter2	Location	STRL	Comprents
10/9/95	72089		Trujillo Gas Com #1 P	21-29-10-M	
10/11/95	70386		San Juan 28-7 #1 MV	33-28-7-A	
10/12/95	93497		Burns Federal #1M	5-26-7-1	
10/20/95	N/A		Lat 5 A 9 SYP Y-1	1-31-14-M	
10/23/95	N/A		Lateral 5A2 Drip Y-2	31-30-13-D	
10/24/95	ΝΆ	<u> </u>	Lateral 5A2 Drip Y-2	31-30-13-D	

	PIT CLOSURES	EL PASO O	95		
<u>DATE</u>	<b>LOCATION</b>	<u>METER</u>	<b>CONT</b>	<b>FILL</b>	<b>CELL</b>
10/9/95	TRUJILLO G.C. #1 P	72089	1,060.00	1,130.00	9
10/10/95	B M HOUCK #1	90326	0.00	20.00	٠
10/10/95	NYE FEDERAL COM #1	72865	0.00	10.00	
10/10/95	ROELOFS #4E dk	94356	0.00	30.00	
10/10/95	STATE COM #39 pc	87658	0.00	10.00	
10/10/95	STATE COM #39 ft	89450	0.00	10.00	
10/10/95	SAN JUAN 28-7 #136 E	95463	0.00	20.00	
10/11/95	SAN JUAN 28-7 #1 mv	70386	70.00	90.00	9
10/11/95	SAN JUAN 28-7 #231 E	93688	0.00	20.00	
10/12/95 .	HARRINGTON #3	70139	0.00	20.00	
10/12/95	BURNS FED #1 M	93497	90.00	130.00	10
10/13/95	VALENCIA CYN. UNIT 45A	95767	0.00	20.00	
10/13/95	STATE COM A I #33 E	94106	0.00	10.00	
10/20/95	LAT 5A9 SYP Y-1	NA005	50.00	120.00	10
10/23/95	LAT 5A2 DRIP Y-2	NA010	180.00	200.00	10
10/24/95	GALLEGOS CYN. COMP STA.	NA015	0.00	20.00	

SUM: SUM: 1,450.00 1,860.00

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK#	_ CONT/YDSBACK/Y	DSG	ELL
			,		<del></del>	-	_	
10/2/95	7056	72089	TRUJILLO G.C. #1 P	FOUTZ	934	50.00 50.0		9
10/2/95	7057	72089	TRUJILLO G.C. #1 P	FOUTZ	831	50.00 50.0		9
10/2/95	7058	72089	TRUJILLO G.C. #1 P	FOUTZ	132	50.00 50.0		9
10/2/95	7059	72089	TRUJILLO G.C. #1 P	FOUTZ	835	<u>50.00</u> <u>50.</u> 0		9
						200.00 200.0	00	
10/3/95	7060	72089	TRUJILLO G.C. #1 P	FOUTZ	934	10.00 30.0	00	9
10/3/95	7061	72089	TRUJILLO G.C. #1 P	FOUTZ	835	10.00 20.0	00	9
10/3/95	7062	72089	TRUJILLO G.C. #1 P	FOUTZ	831	0.00 20.0	00	
10/3/95	7063	72089	TRUJILLO G.C. #1 P	FOUTZ	131	0.00 20.0	00	
10/3/95	7064	72089	TRUJILLO G.C. #1 P	FOUTZ	432	0.00 20.0	00	
10/3/95	7065	72089	TRUJILLO G.C. #1 P	FOUTZ	935	10.00 10.0	00	9
10/3/95	7066	72089	TRUJILLO G.C. #1 P	FOUTZ	132	10.00 10.0	00	9,
10/3/95	7067	72089	TRUJILLO G.C. #1 P	FOUTZ	933	10.00 0.0	00	9
10/3/95	7068	72089	TRUJILLO G.C. #1 P	FOUTZ	931	<u>10.00</u> <u>0.0</u>	00	9
						60.00 130.0	00	
10/4/95	7069	72089	TRUJILLO G.C. #1 P	FOUTZ	831	60.00 60.0	00	9
10/4/95	7070	72089	TRUJILLO G.C. #1 P	FOUTZ	835	60.00 60.0		9
10/4/95	7071	72089	TRUJILLO G.C. #1 P	FOUTZ	934	60.00 60.0		9
10/4/95	7072	72089	TRUJILLO G.C. #1 P	FOUTZ	935	60.00 60.6		9
						240.00 240.0	00	
10/5/95	7073	72089	TRUJILLO G.C. #1 P	FOUTZ	831	80.00 80.0		9
10/5/95	7074	72089	TRUJILLO G.C. #1 P	FOUTZ	934	70.00 70.0	00	9
10/5/95	7075	72089	TRUJILLO G.C. #1 P	FOUTZ	132	80.00 80.0		9
10/5/95	7076	72089	TRUJILLO G.C. #1 P	FOUTZ	131	80.00 80.0		9
10/5/95	7077	72089	TRUJILLO G.C. #1 P	FOUTZ	<del>9</del> 35	80.00 80.0		9
10/5/95	7078	72089	TRUJILLO G.C. #1 P	FOUTZ	933	30.00 30.0		9
10/5/95	7079	72089	TRUJILLO G.C. #1 P	FOUTZ	835	<u>30.00</u> <u>30.0</u>		9
						450.00 450.0	00	
10/6/95	7080	72089	TRUJILLO G.C. #1 P	FOUTZ	132	20.00 20.0	00	9
10/6/95	7081	72089	TRUJILLO G.C. #1 P	FOUTZ	935	20.00 20.0	00	9
10/6/95	7082	72089	TRUJILLO G.C. #1 P	FOUTZ	831	20.00 20.0	00	9
10/6/95	7083	72089	TRUJILLO G.C. #1 P	FOUTZ	835	<u>20.00</u> <u>20.0</u>	<u> 00</u>	9
						80.00 80.0	00	
10/9/95	7084	72089	TRUJILLO G.C. #1 P	FOUTZ	935	10.00 10.0	00	9
10/9/95	7085	72089	TRUJILLO G.C. #1 P	FOUTZ	934	10.00 10.0	00	9
10/9/95	7086	72089	TRUJILLO G.C. #1 P	FOUTZ	831	<u>10.00</u> <u>10.0</u>	00	9
						30.00 30.0	00	
10/10/95	7087	90326	B M HOUCK #1	FOUTZ	934	0.00 10.0	00	
10/10/95	7088	90326	B M HOUCK #1	FOUTZ	935	0.00 10.0		
10/10/95	7089	72865	NYE FEDERAL COM #1	FOUTZ	432	0.00 10.0		
10/10/95	7090	94356	ROELOFS #4E dk	FOUTZ	835	0.00 10.0	00	
10/10/95	7091	94356	ROELOFS #4E dk	FOUTZ	935	0.00 10.0	00	

10/10/95 10/10/95 10/10/95 10/10/95 10/10/95	7092 7093 7094 7095 7096	94356 87658 95463 89450 95463	ROELOFS #4E dk STATE COM #39 pc SAN JUAN 28-7 #136E STATE COM #39 ft SAN JUAN 28-7 #136E	FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ	934 432 835 935 934	0.00 0.00 0.00 0.00 <u>0.00</u>	10.00 10.00 10.00 10.00 10.00
10/11/95 10/11/95 10/11/95 10/11/95 10/11/95 10/11/95	7097 7098 7099 7100 7201 7202	70386 70386 93688 93688 70386 70386	SAN JUAN 28-7 #1 mv SAN JUAN 28-7 #1 mv SAN JUAN 28-7 #231E SAN JUAN 28-7 #231E SAN JUAN 28-7 #1 mv SAN JUAN 28-7 #1 mv	FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ	934 933 835 131 131 835	20.00 10.00 0.00 0.00 20.00 20.00 70.00	30.00 9 20.00 9 10.00 10.00 20.00 9 20.00 9 110.00
10/12/95 10/12/95 10/12/95 10/12/95 10/12/95 10/12/95 10/12/95 10/12/95	7203 7204 7205 7206 7207 7208 7209 7210 7211	70139 93497 70139 93497 93497 93497 93497 93497	HARRINGTON #3 BURNS FED #1M HARRINGTON #3 BURNS FED #1M BURNS FED #1M BURNS FED #1M BURNS FED #1M BURNS FED #1M BURNS FED #1M	FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ	934 835 933 731 432 831 132 933 934	0.00 20.00 0.00 10.00 20.00 10.00 10.00 10.00 90.00	10.00 20.00 10 10.00 9 20.00 9 20.00 10 20.00 10 10.00 9 20.00 10 150.00
10/13/95 10/13/95 10/13/95	7212 7213 7214	95767 95767 94106	VALENCIA CYN. UNIT 45A VALENCIA CYN. UNIT 45A STATE COM A I #33E	FOUTZ FOUTZ FOUTZ	131 934 132	0.00 0.00 <u>0.00</u> 0.00	10.00 10.00 <u>10.00</u> 30.00
10/19/95 10/19/95 10/19/95 10/19/95	7215 7216 7217 7218	NA005 NA005 NA005 NA005	LAT 5A9 SYP Y-1 LAT 5A9 SYP Y-1 LAT 5A9 SYP Y-1 LAT 5A9 SYP Y-1	FOUTZ FOUTZ FOUTZ PHILIP	432 132 835 6003	10.00 10.00 10.00 <u>0.00</u> 30.00	20.00 10 20.00 10 10.00 10 20.00 70.00
10/20/95 10/20/95 10/20/95 10/20/95 10/20/95 10/20/95 10/20/95	7219 7220 7221 7222 7223 7224 7225	NA005 NA005 NA010 NA010 NA010 NA010 NA010	LAT 5A9 SYP Y-1 LAT 5A9 SYP Y-1 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2	FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ FOUTZ	132 835 933 934 731 132 835	10.00 10.00 20.00 10.00 10.00 20.00 100.00	20.00       10         30.00       10         20.00       10         10.00       10         10.00       10         10.00       10         10.00       10         10.00       10
10/23/95 10/23/95 10/23/95 10/23/95	261 262 263 264	NA010 NA010 NA010 NA010	LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2 LAT 5A2 DRIP Y-2	FOUTZ FOUTZ FOUTZ FOUTZ	132 731 831 131	0.00 40.00 40.00 20.00 100.00	10.00 50.00 10 50.00 10 30.00 10 140.00

10/24/95	265	NA015	GALLEGOS CYN. COMP STA.	FOUTZ	831	0.00	10.00
10/24/95	266	NA015	GALLEGOS CYN. COMP STA.	FOUTZ	934	0.00	<u>10.00</u>
						0.00	20.00

REPORTING TOTALS:

1,450.00 1,860.00

#### **FAX TRANSMISSION** TIERRA ENVIRONMENTAL COMPANY, INC.

TO:

Bill Olsen

Oil Conservation Division

FAX: 505-827-8177

FROM: Phil Nobis

FAX:

505-334-9024

RE: TEMPORARY EMERGENCY STORAGE OF NON-EXEMPT MATERIAL AT TIERRA ENVIRONMENTAL LANDFARM FACILITY:

On-Site Technologies is presently handling a tanker truck accident on the Ute Indian Reservation in Colorado. Approximately 2,000 gallons of mixed fuel, similar in nature to blended diesel was spilled onto the ground and is endangering the Animas River. Coby Muckelroy of New Mexico Environment Department Hazardous Materials Bureau was contacted by Cindy Grey of On-Site. He has given permission to Tierra to temporarily store soil contaminated with this fuel at the Tierra Crouch Mesa Landfarm in a lined bermed area pending laboratory analysis.

I have attached a letter of authorization to accept contaminated soil under emergency conditions from the New Mexico Environment Department Hazardous Materials Bureau. The letter of authorization is a blanket letter dated April 6, 1993.

Tierra will forward copies of the appropriate analysis TCLP etc., upon receipt thereof and if the material can be exempted by said analysis, Tierra will seek permission from OCD to spread and treat it.

Do you or OCD concur.

**PCN** 

pproval for temporary storge proval for temporary storge labis or

04/06/93 15:59 21 505 8274361

HRMB

**Ø** 002



# State of New Mexico ENVIRONMENT DEPARTMENT Harold Runnels Bulding 1190 St. Francis Drive, P.O. Box 26110 Santa Fe, New Mexico 87502 (605) 827-2850

JUDITH M. ESPINOSA SECRETARY

RON CURRY
DEPUTY SECRETARY

April 6, 1993

Mr. Phil Nobis, Landfarm Operator Tierra Environmental Farmington, NM

Dear Mr. Nobis:

SUBJECT: Letter of Authorization

The New Mexico Environment Department hereby authorizes transport and temporary storage of contaminated soil at Tierra Environmental. The Hazardous and Radioactive Materials Bureau allows the shipment of the material to the landfarm providing the following conditions are met:

- 1. The contaminated soil will be stored in an isolated area on the landfarm.
- 2. The contaminated soil will be stored on plastic (10 ml liner), and bermed (18 inches).
- 3. The contaminated soil will be kept slightly moist to keep the soil from blowing.
- 4. The landfarm facility will run a TCLP analysis for characterization of hazardous waste contaminants.
- 5. The operator will dispose of the waste as soon as possible in an appropriate manner based on the analytical results.

If you have any questions, please feel free to contact me at (505)827-4358 or Michael Le Scouarnec at (505) 827-4308.

Sincerely,

Benito J. Garcia, Chief

Hazardous and Radioactive Materials Bureau

cc: Roger Anderson, OCD

John Geddie, Office of the Secretary

Edward Horst, RCRA Enforcement

REQUEST FOR APPROVAL 1 CCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
(Submitting this form for oilfield exempt waste is optional)	4. Generator SIERRA PETROLEUM EGERED				
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Qriginating Site BONDAD HILL 1mi MARKER				
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter  FOUTZ CONST.				
7. Originating Location of Material (Street Address or ULSTR)  NE/NW & NW/NE SEC 6 - T 32 N - R 9 W	8. State  COLORADO				
<ul> <li>9. Check One</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.</li> <li>C. All requests for approval to accept non-exempt wastes must be accommanded by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.</li> <li>All transporters must certify that the wastes delivered are only those consigned for transport.</li> <li>Projected Date(s) for transportation:</li> </ul>					
BRIEF DESCRIPTION OF THE MATERIAL:  SOIL CONTAMINATED WITH TRANSMIX FROM TANKER ACT SEE ATTACHED TCLP  DEGENV  NOV - 9 199  OCC.  Estimated Volume 460 yd 3 Known Volume (to be entered by the operator)	ED OUL GOM. DIV.				
Thereby certify that the information above is true and complete to the best of my knowledge and belief.  SIGNATURE 7 7 TITLE OPERA L'IONS MGR	DATE11/01/95				
TYPE OR PRINT NAME LARRY F. HUNTER TELEPI	HONE NO. (505) 334-8894				
APPROVED BY Demy 3. FORM TITLE GEOLOGIST  APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	DATE 11/7/95  DATE 11/7/95				

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: 95045  Verbal Approval Received: Yes No By: DINNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE:	4. Generator SIERRA PETROLEUM
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site  BONDAD HILL 1mi  MARKER
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter  FOUTZ CONST.
7. Originating Location of Material (Street Address or ULSTR)  NE/NW & NW/NE SEC 6 - T 32 N - R 9 W	8 State COLORADO
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a concertificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by Generator and the New Mexico Environmental Dept or other appropriate governments  C. All requests for approval to accept non-exempt wastes must be accomanied by necept material is non-hazardous and the Generator's certification of origin. No waste clawill be approved.  All transporters must certify that the wastes delivered are only approached Date(s) for transportation:	y a certification of waste status from the agency; two certificates per job.  essary chemical analyses to prove assified as hazardous by listing or testing
BRIEF DESCRIPTION OF THE MATERIAL:  SOIL CONTAMINATED WITH TRANSMIX FROM TANKER ACCESSEE ATTACHED TCLP	CIDENT  DEGETVED  NOV - 3 1995  OUL CON. DUV.
Estimated Volume460yd <sup>3</sup> Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	r at end of haul):yd <sup>3</sup> ·
SIGNATURE 7 7 TITLE OPERATIONS MGR	DATE 11/01/95 HONE NO. (505) 334-8894
APPROVED BY Demy De Tout TITLE Geolog15T	DATE
APPROVED BY TITLE	DATE

CONDITIONS OF APPROVAL, IF ANY:

10/31/95 14:25

**☎**505 334 9024

Originating

TIERRA ENVIRON

**2**001



TIERRA
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (305) 325-0924

# CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
CALADAN ALE DILL & AND SEE SECTION A TOP STORY
Source: 7.5 minute Topographic map - Bonog Mill, Coro.,  USGS.   Tanker Rollover Wedicle Accident and Inches and Mill, Coro.,  I ROSERT CARB representative for SIERRA PETROLEUM AND FEDERATED  TRUSHAME Company  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached,  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed
1C-7-W
COLUMNOO, NE NW ! NWNE OF SECTION 4, T- 32-N, R-9-W  Source: 7.5 minute Tolographic map - Bondad Mill, Colo., USGS. / TANKER Rollover Vehicle Accident and  Tranker Rollover Vehicle Accident and  Tranker Rollover Nebectation  Tranker Carb and  Tranker Rollover vehicle according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached,  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Representative representative Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature
ONE MILE MAKEL ON COUNTY ROME 318 LA PLATA COUNTY,  COLORADO, NE NW ! NWNE OF SECTION 6, T- 32-N,  R-9-W  Source: 7.5 MINUTE TOPOGRAPHIC MAP - BONDAD HILL, COLO.  USGS. / TANKER Rel/OVER Nehicle Accident  I ROBERT CAABB representative  for SIERRA PETROLEUM AND FEDERATED  FINSULANCE Company  do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.  The appropriate documentation is hereto attached,  Check appropriate line(s)  MSDS Information  RCRA TCLP Analysis  RCRA Metals  Corrosivity, Ignitability, Reactivity  Letter from Out of State Regulatory Agency  I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since  Signature  Title PRO JECT CORDINATOR - ON SITE Technologies
Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.
The appropriate documentation is hereto attached,
Check appropriate line(s)
MSDS Information
· · · · · · · · · · · · · · · · · · ·
I further certify that there has been no change in the processes employed
Signature Rehall mill
Title PROJECT COORDINATOR - ON SITE TechnologieshTo
Date

AHM: Bob Cross



5295 Hollister Road Houston, Texas 77040 (713) 460-9600 Page: 1

Sample Receipt Acknowledgment

		- Carrillana con la contra	
		Date 10/09/95	
R		. 1	
е	DAVE COX	n SAME	
р	ONSITE TECHNOLOGIES LIMITED	V	*
0	657 W. MAPLE	0	
r	FARMINGTON, NN 87401	i	
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Core Laboratories Job Number	Customer Project ID		Estimated Completion Date
952965	see Remarks		10/19/95
Sample #	Customer ID	Rema	arks
0001	TRANSMIX SPILL EXCAVATION STOCKPILE	4-1250	
10/17/95	1100 DEANIA Vas/SEINI-VOLS/MILS NIOT CO	MPLETED	
10/2-/95	1100 DEANA Vas/SEINI-VOLS/MILS MOT CO NEZV'O FAX @ 1650 PREIMINARY REPOR	T	
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#### THIS IS NOT AN INVOICE

If you have any questions please call Lore Laboratories, CORPUS LHRISTI, IX

# WHELL MINAHA REPORT

TESTS LABORATORY

RESULTS.

10/19/95

108 HUMBER: 952965

CUSTONER: ONSITE FECHNOLOGIES LINETED ATTN: DAVE COX

CLIENT I.D..... 4-1250 DATE SAMPLED....: 10/06/95

TIME SAMPLED.....: 16:30
WORK DESCRIPTION...: TRANSMIX SPILL EXCAVATION STOCKPILE

LABORATORY I.D...: 952965-0001 DATE RECEIVED...: 10/09/95

TIME RECEIVED ....: 10:30

REMARKS..... SAMPLED BY: C.G.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TEC
TCLP Semivolatiles		*1		EPA SW-846 8270	10/16/95	GE
1,4-Dichlorobenzene	<10	10	ug/L	EPA SW-846 8270		
2,4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270	}	
Hexachtorobenzene	<10	10	ug/L	EPA SU-846 8270		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270	ł	
Hexach Loroethane	<10	10	ug/L	EPA SW-846 8270	1	
Nitrobenzene	<10	10	ug/L	EPA SU-846 8270	ł	
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270	1	
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SU-846 8270	ł	
2,4,6-Trichlorophenot	<10	10	ug/L	EPA SU-846 8270	1	
Pyridine	<10	10	ug/L	EPA SW-846 8270	1	
p,m-Cresol	<10	10	ug/L	EPA 5W-846 8270		
o-Cresol	<10	10	up/L	EPA SW-846 8270	1	
2-fluorophenol (Surrogate)	67	ő	% Recovery	21-83% QC LIMITS	1	
Phenol-dó (Surrogata)	79		* Recovery	24-94% OC LIMITS	1	
Nitrobenzene-d5 (Surrogate)	87	0	% Recovery	35-102% OC LIMITS		
2-fluorobiphenyl (Surrogate)	80	0	X Recovery	43-103% QC LIMITS	}	
2,4,6-Tribromophenol(Surrogate)	83		X Recovery	28-111% OC LINITS	j	
Terphenyl-d14 (Surrogate)	70	Ö	X Recovery	43-117X QC LIMITS		•
TCLP Volatiles		*10		EPA SW-846 8260	10/17/95	QP
Benzene	<50	50	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260	}	
Chlorobenzene	<50	50	ug/L	EPA SU-846 8260	ł	•
Chloroform	<50	50	US/L	EPA SU-846 8260	1	
Nethyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260	į.	
Trichloroethene	<50	50	US/L	EPA 8W-846 8Z60	1	
Vinyl chloride	<b>440</b>	40	ug/L	EPA SW-846 8260	}	
1,2-Dichloroethane	√50	50	ug/L	EPA SW-846 8260	1	
Tetrachloroethene	<50	50	up/L	EPA SU-846 8260	1	
1,1-Dichloroethene	<50	50	ug/L	EPA \$W-846 8260	1	
Dibromofluoromethana(Surrogate)	105	0	% Recovery	86-115% QC LIMITS	ł	
Toluene d-8 (Surrogate)	103	0	% Recovery	88-110% QC LIMITS	i	
4-Bromofluorobenzene(Surrogate)	95	0	% Recovery	86-115X QC LIHITS		
Extraction - TCLP Semivolatiles	Completed			EPA SN-846 3520	10/11/95	WE
Glass Jor Extraction for Metals	Completed			EPA SW-846 1311	10/09/95	DG
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	10/09/95	DG
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA \$W-846 6010	10/16/95	GC

# REPORT

#### RESULTS LABORATORY TESTS 10/19/95

DUSTONER! ONSITE TECHNOLOGIES LIMITED JOB NUMBER: 952965

ATTN: DAVE COX

CLIENT 1.D..... 4-1250 DATE SAMPLED .....: 10/06/95

TIME SAMPLED .....: 16:30

WORK DESCRIPTION...: TRANSMIX SPILL EXCAVATION STOCKPILE

LABORATORY 1.D...: 952965-0001 DATE RECEIVED ....: 10/09/95 TIME RECEIVED ....: 10:30

REMARKS....: SAMPLED BY: C.G.

Barium (Ba), extractable TCLP Cadmium (Cd), extractable TCLP Chromium (Cr), extractable TCLP Lead (Pb), extractable TCLP Selenium (Se), extractable TCLP	0.67 <0.05 <0.05 <0.05	0.05 0.05 0.05	mg/L	EPA SW-846 6010 EPA SW-846 6010	10/16/95 10/16/95	GC
Chromium (Cr), extractable TCLP Lead (Pb), extractable TCLP	<0.05	ŀ		EPA SW-846 6010	10/16/05	
Lead (Pb), extractable TCLP		0.05			10/10/75	GC
•	<0.05		mg/L	EPA SH-846 6010	10/16/95	GC
Selenium (Se), extractable TCLP		0.05	mg/L	EPA SW-846 6010	10/16/95	GC
- · · · · · · · · · · · · · · · · · · ·	<0.05	0.05	mg/L	EPA \$W-846 6010	10/16/95	GC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GC
Flammability Potential	Negative		+ or -	ASTM 04982-89	10/20/95	EB
Cyanide, Reactive	<b>≺</b> 5	5	mg/kg	EPA SW-846 7.3.3.2	10/11/95	DE
Corrosivity by pH	7.8	0.1	pH units	30 TAC 335.505 (3)	10/17/95	SE
Sulfide, Reactive	<50	50	mg/kg	EPA SW-846 7.3.4.2	10/11/95	ÞΕ
Marcury (Mg), extractable, TCLP	<0.002	0,002	mg/L	EPA 84-846 7470	10/18/95	EB
Mctals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/12/95	EB
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/09/95	DG
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1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673

PAGE: 2

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	·······XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ☐ Non-Exempt: ☐ Chris Fistice  Verbal Approval Received: Yes⊠ No□ By: DENNY FOUST	Gary Williams Energy
(Submitting this form for oilfield exempt waste is optional) DATE: 10/11/95	GH GENESA
2. Destination	5. Name of Originating Site <sub>V/S/0N</sub>
Tierra Environmental Co., Inc. Crouch Mesa Landfarm	Apaches Spatian
Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	· Fesco
7. Originating Location of Material (Street Address or ULSTR)	8. State
Section 33, T-25 N, R-6 W, SE 1/4 Rio Riba	New Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied be Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste continuous will be approved.	essary chemical analyses to prove lassified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation: 10/12/95	
BRIEF DESCRIPTION OF THE MATERIAL:	
Soil Contaminated with crude oil removed from around	nd 10,000 bbl tank and bermed
area. Site is being cleaned up because of a sale	from Gary Energy to Giant Refining
Facility is a transportation terminal.	Were In the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Market of the Mark
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MOV - 6 1995	OIL CON. DIV.
Estimated Volume 2,000 yd 3 Known Volume (to perfect by the operato Thereby certify that the information above is true and complete to the first of my knowledge and belief.	r at end of haul):yd <sup>3</sup>
SIGNATURE Signature DIST. 3	ЛП√До DATE 10/11/95
TYPE OR PRINT NAME Phillip C. Nobis TELEPI	HONE NO. <u>(505) 334-8894</u>
(This space for State Use)	, . (
APPROVED BY Deny g. foul TITLE Geologist	DATE <u> 0/30/95</u>
APPROVED BY COLOGIST	DATE 11:3-95

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVA	) ACCEPT SOLID WASTE	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exe	Chris Eustice	4. Generator
Verbal Approval Received: Ye (Submitting this form for oilfield exempt waste is		Gary Williams Energy
2. Destination		5. Name of Originating Site
Tierra Environmental Co.,	Inc. Crouch Mesa Landfarm	Apache Station
Address of Facility Operator		6. Name of Transporter
420 CR. 3100 AZTEC, NM	87410	·: Fesco
7. Originating Location of Materia	l (Street Address or ULSTR)	8 State
Section 33, T-25 N,	R-6 W, SE 1/4 Rio Riba	New Mexico
9. Check One		
A. All requests for approval to acce certificate per job.	ept oilfield exempt wastes will be accompanied by a o	ertificate of waste from the Generator; one
	ept non-oilfield exempt wastes will be accompanied b Environmental Dept or other appropriate government	
C. All requests for approval to accomplete the material is non-hazardous and will be approved.	ept non-exempt wastes must be accomanied by nece nd the Generator's certification of origin. No waste cl	essary chemical analyses to prove assified as hazardous by listing or testing
	at the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	10/12/95	
BRIEF DESCRIPTION OF THE MATER	RIAL.	
Soil Contaminated w	ith crude oil removed from arou	nd 10,000 bbl tank and bermed
area. Site is being	g cleaned up because of a salé b	From Gary Energy to Giant Refinin
Facility is a trans	portation terminal.	DEGENVED OCT 3 0 1995
Estimated Volume 2,000 yd 3	Known Volume (to be entered by the operator	OIL CON. DIV.  at end of haul):
hereby certify that the information above is true and complete to the be	est of my knowledge and belief.	
SIGNATURE SIGNATURE	· TITLE President	DATE 10/11/95
TYPE OR PRINT NAME Phillip C	Nobis TELEPH	HONE NO. (505) 334-8894
(This space for State Use)  APPROVED BY Demy 9, 7	Contitle Geologist	DATE 10/30/95
APPROVED BY	TITLE	/ / DATE

CONDITIONS OF APPROVAL, IF ANY:

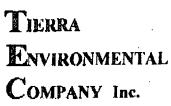
150

TIERRA ENVIRON





**Originating** 



CORPORATE and LANDFARM **OFFICES** 

11:48

P.O. Drawer 15250 Parmington, NM 87401

\*\*\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

## CERTIFICATE OF WASTE STATUS **EXEMPT OILFIELD WASTE**

Site: (Include Name, Section, Township, Range, 1/4, etc.)	
Apache Station, Section 33, T-25 N. R-6 N. SE 1/4	-
Rio Riba County	-
	-
This material originated in:	
The State of New Mexico	
The State of Letter from Regulatory Agency having jurisdiction therefore is attached.	
Location is on:   BLM, FOREST   TRIBAL   OTHER FEDERAL LA	INDS
Description of Material: Soil Contaminated with crude oil from D	umerou
spills over several years. Site is being cleaned up because	of
a sale of the facility from Gary Williams Energy to Giant Ref	ining.
Material has been exempted by analysis TCLP attached hereto.	
SF 1/4, Section 2, Township 29 North, Range 12 Wes NMPM San Juan County, New Mexico	ıt
I _Chris_Hawley	
Representative for Gary Williams Energy	
do hereby certify that the waste described above is material that is exempted from regulation by the itesource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature	
Title ENVIRONMENTAL MER Dute 10-11-95	
Address GARY-WILLIAMS ENERGY CORP.	
370 17th Street Suits 5300	
DENVER, CO BOZOZ	



CORE LABORATORIES ANALYTICAL REPORT

> Job Number: 952893 Prepared For:

ONSITE TECHNOLOGIES LIMITED DAVE COX 657 W. MAPLE FARMINGTON, NM 87401

Date: 10/10/95

Name: Charles Sassine

Title: Laboratory Supervisor

CORE LABORATORIES 1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408



LABORATORY

TESTS RESULTS

10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D..... T1E1001

DATE RECEIVED ....: 10/03/95

LABORATORY I.D...: 952893-0001

DATE SAMPLED.....: 10/02/95

TIME SAMPLED.....: 08:45
WORK DESCRIPTION...: APACHE STATION BLOOMFIELD REFINERY CO.

TIME RECEIVED...: 11:00

REMARKS..... SAMPLED BY: T.N.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
TCLP Semivolatiles ,		*5		EPA SW-846 8270	10/09/95	GEF
1,4-Dichlorobenzene	<50	50	ug/L	EPA SW-846 8270		
2,4-Dinitrotoluene	<50	50	ug/L	EPA SW-846 8270	ł	
Hexachlorobenzene	<50	50	ug/L	EPA SW-846 8270	1	
<b>Hexachlorobutadiene</b>	<50	50	ug/L	EPA SW-846 8270		
Hexachloroethane	<50	50	ug/L	EPA SW-846 8270		
Nitrobenzene	<50	50	ug/L	EPA SW-846 8270		
Pentachlorophenol	<250	250	ug/L	EPA SW-846 8270		
2.4.5-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
Pyridine	<50	50	ug/L	EPA SW-846 8270	1	
p,m-Cresol	<50	50	ug/L	EPA SW-846 8270		
o-Cresol	<50	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	42	0	% Recovery	21-83% QC LIMITS	}	
Phenol-dó (Surrogate)	36	ا	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	73	١٠٥٠	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	107	ا	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	93	l ŏ	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	90	Ö	% Recovery	43-117% QC LIMITS		
TCLP Volatiles		*10		EPA SW-846 8260	10/05/95	QP
Benzene	<50	50	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260	}	
Chlorobenzene	<50	50	ug/L	EPA SW-846 8260	i	
Chloroform	<50	50	ug/L	EPA SW-846 8260	i	
Methyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Vinyl chloride	<40	40	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	101	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	97	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	96	0	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	10/06/95	WEE
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	10/04/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	10/04/95	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC



LABORATORY

TESTS 10/10/95

RESULTS

JOB NUMBER: 952893

CLIENT I.D..... T1E1001

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

LABORATORY I.D...: 952893-0001

DATE RECEIVED...: 10/03/95

TIME RECEIVED...: 11:00

DATE SAMPLED.....: 10/02/95

TIME SAMPLED.....: 08:45
WORK DESCRIPTION...: APACHE STATION BLOOMFIELD REFINERY CO.

REMARKS.....: SAMPLED BY: T.N.

						000000000000000
TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	1.17	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Flammability Potential	Neg.		+ or -	ASTM D4982-89	10/06/95	JJP
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/04/95	DEH
Corrosivity by pH	6.1	0.1	pH units	30 TAC 335.505 (3)	10/04/95	SEB
Sulfide, Reactive	396	50	mg/kg	EPA SW-846 7.3.4.2	10/05/95	DEH
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	10/09/95	JJP
Metals Digest on Extracted Sample	Completed		•	EPA SW-846 3010	10/05/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/04/95	DGP
,		<u> </u>				
	·					
	1	<u> </u>	l	ı	I	



			Q U A	LITY /	A S S U R A M 10/10/95	ICE RE	PORT			
JOB NUMBER:	952893	CUSTOME	R: ONSITE 7	ECHNOLOGIES	LIMITED		ATTN: DAVE	COX		
	ANAL	YSIS		DUPL	CATES	REFERENCE	STANDARDS		MATRIX SPIKE	5
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
	orrosivity by IMIT/DF: 0.1		nits		NALYZED:10/04 RENCE :EPA S				QC BATCH NU	JMBER:99091 CHNICIAN:SE
STANDARD STANDARD DUPLICATE DUPLICATE	LCS 2 LCS 3 MD MD	386.18.4 386.18.4 ,952827-1 952827-11	6.96 6.99 8.2 6.9	8.0 6.8	2 1	7.00 7.00	99 100			
PARAMETER:C REPORTING L	yanide, React IMIT/DF:	tive UNITS:mg/k			NALYZED:10/04 RENCE :EPA S		.2		*****************	MBER: 990934 Chnician: Dei
BLANK STANDARD SPIKE DUPLICATE	MB 100495 LCS PDS MD	Di H20 508.20.3 952826-2 952826-2	<5 2.03 1.01 <5	<5	0	1.93	105	<5	0.944	107
	ulfide, React IMIT/DF: 50	tive UNITS:mg/k		DATE/TIME AN	NALYZED:10/05 RENCE :EPA S	795 07:30 W-846 7.3.4	.2			JMBER: 990999 CHNICIAN: DEI
BLANK STANDARD SPIKE DUPLICATE	MB 090595 LCS MS MD	Dî H20 508.18.17 952893-1 952893-1	<50 301 736 396	406	2	300	100	396	300	113
PARAMETER:F REPORTING L	lammability F IMIT/DF:	Potential UNITS:+ or			NALYZED:10/06 RENCE:ASTM					JMBER:99116 CHNICIAN:JJI
DUPLICATE	MD	952793-3	Pos.	Pos.	0					
		extractable 5 UNITS:mg/L		DATE/TIME AN METHOD REFER	NALYZED:10/06 RENCE : SW-8	5/95 11:08 346 6010A				JMBER:991182 CHNICIAN:GCC
BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3010 3051 90895 9913C 952876-002 952894-001	<0.05 <0.05 0.97 4.92 0.91 <0.05	<0.05	NC	1.00 5.00	97 98	<0.05	1.00	91
		extractable T 5 UNITS:mg/L			NALYZED:10/00 RENCE : SW-8					UMBER:99118. CHNICIAN:GC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB MB ICV CCV MS MD	3010 3051 200.7 70895 0913C 952876-002 952894-001	<0.05 <0.05 <0.05 1.00 5.01 1.58 2.03	2.44	18	1.00 5.00	100 100	0.71	1.00	87
,		(m. , , , , , , , , , , , , , , , , , , ,					1733 NORTH CORPUS CHE (512) 289		ND DRIVE 78408	

PAGE:3



			AUP	LITY /	10/10/95	NCE RE	PORT	,		
JOB NUMBER:			R: ONSITE	ECHNOLOGIES		T	ATTN: DAVE	Υ		
	ANA	LYSIS		DUPL	ICATES	REFERENC	E STANDARDS	<u> </u>	MATRIX SPIKES	<del>,</del>
ANALYSIS Type	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
		extractable T 5 UNITS:mg/L			NALYZED:10/00 RENCE : SW-1				QC BATCH NU	MBER:99118 HNICIAN:GO
PARAMETER:C REPORTING L	admium (Cd), INIT/DF: 0.0	extractable 5 UNITS:mg/L	TCLP		  ALYZED:10/0  RENCE : SW-1			1	QC BATCH NU	 MBER:99118 HNICIAN:GO
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3010 3051 200.7 q0895 0913c 952894-001 952894-001	<0.05 <0.05 <0.05 1.01 4.99 0.92 <0.05	<0.05	NC	1.00 5.00	101 100	<0.05	1.00	92
		, extractable 5 UNITS:mg/L	TCLP		NALYZED:10/04 RENCE : SW-				QC BATCH NU	MBER:99118 HNICIAN:GO
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3010 3051 200.7 90895 0913C 952894-001 952894-001	<0.05 <0.05 <0.05 1.03 5.03 0.87 <0.05	<0.05	NC	1.00 5.00	103 101	<0.05	1.00	87
		tractable TCL 5 UNITS:mg/L			NALYZED:10/0			1	QC BATCH NU	MBER:9911 HNICIAN:G
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB MB ICV CCV MS MD	3010 3051 200.7 40895 0913C 952894-001 952894-001	<0.05 <0.05 <0.05 1.03 5.04 0.86 <0.05	<0.05	NC	1.00 5.00	103 101	<0.05	1.00	86
		, extractable 5 UNITS:mg/L		DATE/TIME AL METHOD REFEL	NALYZED:10/0 RENCE : SW-	6/95 11:08 846 6010A			QC BATCH NU	MBER:9911 HNICIAN:G
BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB ICV CCV MS MD	3010 3051 200.7 q0895 0913C 952894-001 952894-001	<0.05 <0.05 0.05 1.00 4.93 0.96 <0.05	<0.05	NC	1.00 5.00	100 99	<0.05	1.00	96
		<u>                                     </u>	l	<u> </u>		1	1733 NORTH CORPUS CHE (512) 289-		ND DRIVE 78408	

PAGE:4



IOD UINDER-	052807	PIETON			10/10/95	NCE K	E P O R T	E POV		
IOB NUMBER:		LYSIS	K: UNSITE	TECHNOLOGIES DUPL	ICATES	REFEREN	ATTN: DAV CE STANDARDS	<u> </u>	MATRIX SPIKES	 3
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
		extractable T 5 UNITS:mg/L		DATE/TIME AI METHOD REFEI		06/95 11:08 -846 6010A		1	QC BATCH NU	 JMBER:99118 CHNICIAN:GC
BLANK BLANK BLANK STANDARD STANDARD SPIKE DUPLICATE	MB MB MB ICV CCV MS MD	3010 3051 200.7 70895 0913C 952894-001 952894-001	<0.05 <0.05 <0.05 1.05 5.14 0.94 <0.05	<0.05	NC	1.00	105 103	<0.05	1.00	94
		extractable, 02 UNITS:mg/L		DATE/TIME AL		09/95 18:08 SW-846 7470			QC BATCH NU	JMBER:99147 CHNICIAN:JJ
BLANK STANDARD SPIKE DUPLICATE	MB RS MS MD	DI H20 Bk367 Pg49 952893-1 952893-1	<0.002 0.020 0.049 <0.002	<0.002	NC	0.020	100	<0.002	0.050	98
					-					



TCLP Volatiles

## **CORE LABORATORIES**

QUALITY ASSURANCE REPORT

. 10/10/95

JOB NUMBER: 952893 CUSTOMER: QNSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SN-846 8260 QC NUMBER:991252

TECT DESCRIPTION	ANALY OUR TYPE	ANALYCIC 1 C	DILUTION FACTOR	ANALYZER VALUE	DETECTION LIMIT	INITE OF MEACURE
TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DIEUTION FACTOR	ANALTZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Vinyl chloride	мв	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
1,1-Dichloroethene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<b>&lt;</b> 5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Methyl ethyl ketone	MB	092795	1	<50	50	ug/L
	МВ	092795	1 1	<50	50	ug/L
	MB	100295	1 1	<50	50	ug/L
	MB	100295	1	<b>&lt;</b> 50	50	ug/L
Chloroform	MB	092795	1 1	<5	5	ug/L
	MB	092795	1	<b>&lt;</b> 5	5	ug/L
	МВ	100295	1	<5	5	ug/L
	MB	100295	1 1	<5	5	ug/L
Carbon tetrachloride	МВ	092795	1 1	< <u>5</u>	5	ug/L
	MB	092795	1 1	· <b>&lt;</b> 5	5	ug/L
	MB	100295	1 1	<5	5	ug/L
	MB	100295	1	< <u>5</u>	5	ug/L
1,2-Dichloroethane	MB	092795	1 1	<5	5	ug/L
	MB	092795	1 1	<5	5	ug/L
	MB	100295	1	< <u>5</u>	5	ug/L
	MB	100295	1	<5	5 -	ug/L
Benzene	MB	092795	1	· <5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	! !	<5	5	ug/L
	MB	100295	1 1	<5	5	ug/L
Trichloroethene	MB	092795	1	<5	5	ug/L
	MB	092795	1 1	<b>&lt;</b> 5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5 <5	5	ug/L
Tetrachloroethene	МВ	092795	!	(2)	5	ug/L
	MB	092795	1	<5 <5	5 5	ug/L
	MB	100295	1	\ \frac{\sqrt{2}}{2}		ug/L
at 1 t	MB	100295		<5 <5	5 5	ug/L
Chlorobenzene	MB	092795		<5 <5	5	ug/L
	MB	092795		<5 <5	5	ug/L
	MB	100295		<5	5	ug/L
	MB	100295	'	'	,	ug/L
	_					
	I	1	1	1	1	1



TCLP Volatiles

### **CORE LABORATORIES**

REPORT ASSURANCE QUALITY

10/10/95

JOB NUMBER: 952893 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SW-846 8260

QC NUMBER:991252

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
inyl chloride	СС	342.92.1	1	107	100	107	5	ug/L
,1-Dichloroethene	cc	342.92.1	1 1	122	100	122	5	ug/L
ethyl ethyl ketone	cc	342.92.1	1	113	100	113	50	ug/L ·
hloroform	cc	342.92.1	1	107	100	107	5	ug/L
arbon tetrachloride	cc	342.92.1	1	120	100	120	5	ug/L
,2-Dichloroethane	cc	342.92.1	1	128	100	128	5	ug/L
enzene	CC	342.92.1	1	109	100	109	5	ug/L
richloroethene	CC	342.92.1	1 1	111	100	111	5	ug/L
etrachloroethene	CC	342.92.1	1 1	112 110	100	112 110	5 5	ug/L ug/L
hlorobenzene	CC	342.92.1 342.92.1		47	50	94	5	ug/L
ibromofluoromethane(Surrogate) oluene d-8 (Surrogate)	CC	342.92.1		50	50	100	5	ug/L
oluene d-8 (Surrogate) Bromofluorobenzene(Surrogate)	CC	342.92.1		50	50	100	5	ug/L



QUALITY ASSURANCE REPORT

10/10/95

JOB NUMBER: 952893 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SW-846 8260

QC NUMBER:991252

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
inyl chloride	MS	952800-1	1	950	0	1000	95	5	ug/L
inyt chtoride	MSD	952800-1		940	l ŏ	1000	94	5	ug/L ug/L
,1-Dichloroethene	MS	952800-1	1	1110	0	1000	111	5	ug/L ug/L
, 1-Diction decliene	MSD	952800-1	1 1	1130	ŏ	1000	113	5	ug/L ug/L
ethyl ethyl ketone	MS	952800-1	1	1190	0	1000	119	50	ug/L ug/L
ethyt ethyt ketone	MSD	952800-1	;	1200	0	1000	120	50	ug/L ug/L
nloroform	MS	952800-1	1	1050	l ŏ	1000	105	5	ug/L
1(0) 0101111	MSD	952800-1	i	1060	l ŏ	1000	106	5	ug/L ug/L
arbon tetrachloride	MS	952800-1	1	1070	l ŏ	1000	107	5	ug/L
ar borr tetraciitor rae	MSD	952800-1	li	1090	l ŏ	1000	109	5	ug/L
,2-Dichloroethane	MS	952800-1	i	1250	l ŏ	1000	125	5	ug/L
e professionale	MSD	952800-1	1	1240	0	1000	124	5	ug/L ug/L
enzene	MS	952800-1		970	0	1000	97	5	ug/L
	MSD	952800-1	1	980	l ŏ	1000	98	5	ug/L
richloroethene	MS	952800-1	i	970	l ŏ	1000	97	5	ug/L
Tentor octilene	MSD	952800-1	i	970	l ŏ	1000	97	5	ug/L
etrachloroethene	MS	952800-1	l i	970	l ŏ	1000	97	5	ug/L
	MSD	952800-1	i i	990	Ŏ	1000	99	5	ug/L
hlorobenzene	MS	952800-1	l i	990	l o ·	1000	99	5	ug/L
	MSD	952800-1	i	980	Ö	1000	98	5	ug/L
ibromofluoromethane(Surrogate		092795-00	i	510	0	500	102	5	ug/L
, <u></u>	MB	092795-00	l i	520	Ö	500	104	5	ug/L
	MB	100295-00	1	510	0	500	102	5	ug/L
	MB	100295-00	i	510	0	500	102	5	ug/L
oluene d-8 (Surrogate)	MB	092795-00	1 1	490	0	500	98	5	ug/L
	мв	092795-00	1 1	490	0	500	98	5	ug/L
	MB	100295-00	1 1	480	0	500	96	5	ug/L
	MB	100295-00	1 1	500	0	500	100	5	ug/L
-Bromofluorobenzene(Surrogate	MB	092795-00	1	500	0	500	100	5	ug/L
	MB	092795-00	1	500	0	500	100	5	ug/L
	MB	100295-00	1	490	0	500	98	5	ug/L
	MB	100295-00	1	480	0	500	96	5	ug/L
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TCLP SEMIVOLATILES

### **CORE LABORATORIES**

QUALITY ASSURANCE REPORT

10/10/95

JOB NUMBER: 952893 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

DATE ANALYZED: 10/09/95 TIME ANALYZED: 13:47 METHOD: EPA SW-846 8270 QC NUMBER:991365

est DESCRIPTION ,4-Dichlorobenzene ,4-Dinitrotoluene	ANALY SUB-TYPE	ANALYSIS I.D.				I
,4-Dichlorobenzene			DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASUR
A-Dinitrotoluene	мв	100695	1	<10	10	ug/L
	MB	100695	1 1	<10	10	ug/L
exach lorobenzene ,	МВ	100695	1 1	<10	10	ug/L
exach lorobutadi ene	MB	100695	] ]	<10 <10	10 10	ug/L ug/L
exachloroethane itrobenzene	MB MB	100695 100695		<10	10	ug/L
entachlorophenol	MB	100695	i	<50	50	ug/L
,4,5-Trichlorophenol	MB	100695	i	<10	10	ug/L
.4.6-Trichlorophenol	MB	100695	1	<10	10	ug/L
yridine	MB	100695	1	<10	10	ug/L
resols (Total)	МВ	100695	1	<30	30	ug/L
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ASSURANCE REPORT QUALITY

10/10/95

JOB NUMBER: 952893 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

TCLP SEMIVOLATILES DATE ANALYZED: 10/09/95 TIME ANALYZED: 13:47 METHOD: EPA SW-846 8270

QC NUMBER:991365

			MATRIX	SPI	CES				
TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
1,4-Dichlorobenzene 2,4-Dinitrotoluene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Nitrobenzene Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Cresols (Total)	BS BS BS BS BS BS BS BS	100695-00 100695-00 100695-00 100695-00 100695-00 100695-00 100695-00 100695-00	1 1 1 1 1 1 1 1 1 1 1 1	65 88 110 76 66 96 290 320 120 140 230	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	250 250 250 250 250 750 750 750 750	26 35 44 30 26 38 39 43 48 28 31	10 10 10 10 10 50 10 10 30	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L



#### QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents :

EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.

USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.

EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.

Federal Register, July 1, 1992 (40 CFR Part 136).

Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.

Quality control acceptance criteria are method dependent.

All data reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

NC = Not Calculated due to value at or below detection limit.

NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.

The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time

of each analysis. The "DATE ANALYZED" is the actual date of analysis.

The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

#### SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an \*\*\* and the designated laboratory code is indicated in the \*TECHN\* column of the laboratory test results report.

#### Core Laboratories :

Anaheim	*AN	Lake Charles	*LC
Aurora	*AU	Long Beach	*LB
Casper	*CA	Other Laboratories	*XX
Houston	*HP		

#### QUALITY ASSURANCE REPORT CODES

BLANKS*	REFERENCE STANDARDS	SPIKES AND DUPLICATES
<b>-</b>		

MB = Method Blank	RS = Reference Standard	MS = Matrix Spike, BS = Blank Spike
RB = Reagent Blank	<pre>CC = Continuing Calib.</pre>	SS = Surrogate Spike, MD = Matrix Dup.
SB = Storage Blank	LCS = Laboratory Control Std.	PDS= Post Digested Spike
ICB = Initial Calib. Blank	ICV = Initial Calib. Verification	MSD= Matrix Spike Duplicate
CCB = Continuing Calib. Blank	CCV = Cont. Calib. Verification	PDD= Post Digested Duplicate

\*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZME, TCLP, 3010, 3050, etc.

# **CHAIN OF CUSTODY RECORD**

ON SITE
TECHNOLOGIES, LTD. 65

Date: 10/2/95

Page	of/	<u> </u>
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657 W. Maple • P. O. Box 2606 • Farmington NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchas	e Order No.:	3518	Job No. 7	IELUO	1			٥	Name	-02	4V 11	) C	DX			Title			
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=	City, State, 2	Zip FARMI	N/GTONI, NW	87	499	<u> </u>		<u> </u>	Teleph	one No	.505	325	- 56	67	7   1	elefax	No. ح	325-	-6256
Samplin	g Location:								City, State, Zip FARMING-TON NM 8740   Telephone No. 505 325 5667   Telefax No. 505 325-625										
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- REQUEST FOR APPROVA ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: □	⊣. Generator
Verbal Approval Received: Yes■ No□ By: DENNY FOUST	BASIN DISPOSAL
(Submitting this form for oilfield exempt waste is optional) DATE: 10/10/95	
	5. Name of Originating Site
2. Destination  Tionra Environmental Corp. Crouch Mass Landform	SAME AS ABOVE
Tierra Environmental Corp. Crouch Mesa Landfarm	UNIT E & F SEC 3, 29N, 11W
2 Address of Escility Operator	6. Name of Transporter
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	C F & M OILFIELD SERVICE
420 CR. 5100 AZIEC, INVI 8/410	
7. Location of Material (Street Address or ULSTR)	8. State
	NEW MEXICO
UNIT E & F SEC 3 - T29N - R11W	
9. <u>Check One</u>	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a c certificate per job.	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied b Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste cl	ssary chemical analyses to prove assified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	·
BRIEF DESCRIPTION OF THE MATERIAL:	
British Bedorium Front die Friedrich Le.	
SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-N WITH CLEAN SOIL	OIL CON. E.
	200
Estimated Volume yd Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	at end of haul): 328 yd <sup>3</sup>
SIGNATURETITLE OPERATIONS MGR.	DATE
TYPE OR PRINT NAME LARRY F. HUNTER TELEPH	HONE NO. (505) 334-8894
(This space for State Use)	
APPROVED BY Demy TITLE Geolog 13/	DATE 10/16/95
APPROVED BY Succe Durol TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:	



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)
BASIN DISPOSAL
UNIT E & F SEC 3 - TZ9N - RIIW
This material originated in:
The State of New Mexico
☐ The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Location is on:   BLM, FOREST  TRIBAL  OTHER FEDERAL LA
Description of Material: Social From waste water Disposal
PROCESS PRE-MIXED WITH CLEAN SOIL
Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 Wes NMPM San Juan County, New Mexico Representative for BASIN DISPOSAL
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature
Title Date
Address <u>P.O. Box 100</u>
A2750 444 93410

REQUEST FOR APPROVA ACCEPT SOLID WASTE	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
1. RCRA Exempt: ■ Non-Exempt: □	4. Generator	
Verbal Approval Received: Yes No □ By: DENNY FOUST	BASIN DISPOSAL	
(Submitting this form for oilfield exempt waste is optional) DATE: 09/26/95		
	5. Name of Originating Site	
2. Destination	SAME AS ABOVE	
Tierra Environmental Corp. Crouch Mesa Landfarm	UNIT E & F SEC 3, 29N, 11W	
	6. Name of Transporter	
3. Address of Facility Operator	C F & M OILFIELD SERVICE	
420 CR. 3100 AZTEC, NM 87410		
7. Location of Material (Street Address or ULSTR)	8. State	
· ·	NEW MEXICO	
UNIT E & F SEC 3 - T29N - R11W		
9. Check One		
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a	pertificate of waste from the Generator; one	
certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied be		
Generator and the New Mexico Environmental Dept or other appropriate government		
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste classification will be approved.	assified as hazardous by listing or testing	
All transporters must certify that the wastes delivered are only those consigned for transport.		
Projected Date(s) for transportation: 09/26/95		
BRIEF DESCRIPTION OF THE MATERIAL:		
BRIEF BEGORIE HOROS THE WATERIAL.		
SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-M	AIXED	
WITH CLEAN SOIL		
	a eceived	
	SEP 2 / 1995	
	<b>0[</b> [L CON. D[V. <b>DIS</b> ]. 3	
Estimated Volume 550 yd 3 Known Volume (to be entered by the operator I hereby certify that the information above is true and complete to the best of my knowledge and belief.	r at end of haul):yd <sup>3</sup>	
	DATE 09/26/95	
SIGNATURE LANDIARVI MOR		
	HONE NO. <u>(505) 334-8894</u>	
(This space for State Use)		
APPROVED BY Demy S. Fam TITLE Geologist	DATE 10/2/95	
APPROVED BY Justo TITLE 4	DATE 4	
CONDITIONS OF APPROVAL, IF ANY:		



# TIERRA ENVIRONMENTAL Corporation

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include N	Name, Section, Township, Range, 1/4, etc.)
BASIN DISPE	DSAL
UNIT EEF	SEC3, TZ9N, RIIW
This material o	riginated in:
<b>☒</b> The State of	New Mexico
☐ The State of Agency havi	ng jurisdiction therefore is attached.
Location is on:	□ BLM, FOREST □ TRIBAL □ OTHER FEDERAL LANI
Description of N	Material: Solids From waste water injection
PROCESS PRE-	MIXED WITH CLEAN SOIL
EST 550	
	Fierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
1 ton	F154
	for BASIN DISPOSAL
regulation by the I considered non-har knowledge, no other would otherwise ca other Federal, Stat	hat the waste described above is material that is exempted from Resource Conservation and Recovery Act (RCRA) and is zardous oilfield waste. I further certify that to the best of my er material has been commingled with the exempt waste that has the waste to be classified as "Hazardous" by RCRA or any se or Local law, regulation or ordinance.
Title DAY	FORMAN Date 9-26-1995
Address Box /	
	NM 87410

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
1. RCRA Exempt: ■ Non-Exempt: □  Verbal Approval Received: Yes ■ No □ By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE:	4. Generator  MERIDIAN OIL Inc.	
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site  MAGNUM 1E	
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter PHILIP ENVIRONMENTAL	
7. Originating Location of Material (Street Address or ULSTR) UNIT F SEC 27 - T29N - R11W	8. State NEW MEXICO	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.  C. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.  All transporters must certify that the wastes delivered are only those consigned for transport.		
Projected Date(s) for transportation:  BRIEF DESCRIPTION OF THE MATERIAL:	***************************************	
HYDRO-CARBON CONTAMINATED SOIL FROM WELL BORE	OUL COME DO	
Estimated Volumeyd 3 Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	r at end of haul):10yd <sup>3</sup>	
SIGNATURE	DATE <u>09/01/95</u>	
	HONE NO. (505) 334-8894	
(This space for State Use)  APPROVED BYTITLE	DATE	
APPROVED BY True Ture a TITLE (seologist	DATE 10/6/95	

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
Magnum IF well location unit F, Sec 27, TAGN, RIIW
The Figure 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1 and 1
This material originated:
In The State of New Mexico
From the State of Letter from the Regulators
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Well boxe
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico  I
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law regulation or ordinance.
Signature 7 / Sor
Title Environmental Representative
Addres 35.35 E. 30th Farminglan, NIM
Date 8/31/95

REQUEST FOR APPROVATION ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt: ■ Non-Exempt: □      Verbal Approval Received: Yes ■ No□      (Submitting this form for oilfield exempt waste is optional) DENNY FOUST	4. Generator WILLIAMS FIELD SERVICE
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site CULPEPPER MARTIN #11 GATHERING STATION
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter C F &M OILFIELD SERVICE
7. Originating Location of Material (Street Address or ULSTR) NE 1/4 SEC 29 - T32N - R12W	8. State  NEW MEXICO
9. Check One	
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.</li> </ul>	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environmental Dept or other appropriate government	by a certification of waste status from the
C. All requests for approval to accept non-exempt wastes must be accomanied by necessary the material is non-hazardous and the Generator's certification of origin. No waste	cessary chemical analyses to prove
will be approved.  All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:	
BRIEF DESCRIPTION OF THE MATERIAL:	
SOIL CONTAMINATED BY CONDENSATE SPILL FROM GATHERING LINE OPERATIONS	
	RECEIVED SEP 2 7 1995
	OUL COM. DUV.
Estimated Volumeyd 3 Known Volume (to be entered by the operat	or at end of haul):10 yd³
hereby certify that the information above is true and complete to the best of my knowledge and belief.	DATE 08/25/95
SIGNATURETITLELANDFARM MGR	
TYPE OR PRINT NAME LARRY F. HUNTER TELEF  (This space for State Use)	PHONE NO. (505) 334-8894
APPROVED BY Server & French TITLE GeologIST  APPROVED BY Siere Burch TITLE L	DATE 10/2/95
APPROVED BY Neve Durch TITLE 4	DATE
CONDITIONS OF APPROVAL, IF ANY:	

Page 1 of 1 Friday, August 25, 1995 8:06:67 AM

From: TIERRA ENVIRNMENTAL COM. CROUCH MESA LANDFARM, (505) 334-8024 Volce: (505) 334-8894 To; TOM MCMILLIAN



# TIERRA ENVIRONMENTAL CORPORATION

#### CORPORATE OFFICE

P.O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

LANDFARM OFFICE 420 CR. 3100 Aztec, NM 87410 (505) 334-8894

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Meridian O. il Culpeaper Martin #// Sathering  line owned by Williams Hield Laurians  Located in the NE Y4 S 39 7 32 N R12 W  This material originated in:  The State of New Mexico  The State of Letter from Regulatory Agency having jurisdiction therefore is attached.  Source: Condensate spill from gathering line operation
Line our of by Williams Rield Laureaus  Located in the NE 74 S 29 T 32 N R12 W  This material originated in:  The State of New Mexico  The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
This material originated in:  The State of New Mexico  The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
☐ The State of New Mexico ☐ The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
☐ The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Source: Condensate spill from gathering line operation
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West NMPM
San Juan County, New Mexico
I TOM MEMILLEN
Representative for WILLIAMS FIELD SERVICES
do hereby certify that the waste described shove is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.  Signature T. Me Mod

REQUEST FOR APPROVA ) ACCEPT SOLID WASTE	CXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
95041 1. RCRA Exempt:   Non-Exempt: □	4. Generator
Verbal Approval Received: Yes■ No□ By: DENNY FOUST	MURPHY H. BAXTER
(Submitting this form for oilfield exempt waste is optional) DATE: 9/21/95	
2 Dectination	5. Name of Originating Site
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	NAVAJO PEAK #1
Tierra Environmental Corp. Crouch Mesa Landial III	
3. Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	DAWN TRUCKING
7. Originating Location of Material (Street Address or ULSTR)	8. State
SEC 28 - T33N - R2W ARCHULETA COUNTY	COLORADO
	<u>                                     </u>
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied be Generator and the New Mexico Environmental Dept or other appropriate government	y a certification of waste status from the agency; two certificates per job.
C. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation: 09/21/95	
BRIEF DESCRIPTION OF THE MATERIAL:	
	PEGGALL
DRILLING MUD FROM DRILLING OF OIL WELL	REGERVERY)
	SEP 2 7 1995 DOWN
	OII GOM DO
	DISTO DIV
	···
Estimated Volume 140 Bbls yd 3 Known Volume (to be entered by the operato	r at end of haul):yd <sup>3</sup>
hereby certify that the information above is true and complete to the best of my knowledge and belief.	00/21/05
SIGNATURE TITLE LANDFARM MGR	DATE DATE
TYPE OR PRINT NAME LARRY F. HUNTER TELEPI	HONE NO. (505) 334-8894
(This space for State Use)	100-10-
APPROVED BY June 1 TITLE Geologis/	DATE 10/2/95
APPROVED BY THE BUNCLE TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:	



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE

Farmington, NM 87401

# FAX COVER SHEET

DATE	PAGE 1 OF <u>3</u>
FROM TIERRA ENVIRONM	IENTAL CORP.
PHONE (505) 334-8894	FAX (505) 334-9024
TO DONALD ENGLISHMAN	PAT RODDY
FAX 1-970-385-4818	·
SUBJECT / NOTE(S): _ma/s	MRS RODDY, WE NEED ONLY THE
CERTIFICATE FROM OUT OF S	TATE AGENCY COMPLETED AND RETURNED
IN ORDER TO COMPLETE THIS	PROJECT PER MY TALK WITH
MR ENGLISHMAN THIS MON	larjac.
	THANK YOU
	LARRY F. HUNTER
	LARRY F. HUNTER  ALITY OF IMAGE ON OUR CRATIFICATE
P.S. I AM SORRY FOR THE QUE	
P.S. I AM SORRY FOR THE QUA	ALITY OF IMAGE ON OUR CRATIFICATE
P.S. I AM SORRY FOR THE QUE BUB AS YOU CAN TELL IT'S BE THE WELL LOCATION NAME IS	ALITY OF IMACE ON OUR CRATIFICATE
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	S: NAVAJO PEAK # 1
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	ALITY OF IMACE ON OUR CRATIFICATE  EN ANOUND.  S: NAVAJO PEAK # 1  N R Z W IN ARCHELETA CO.
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	ALITY OF IMACE ON OUR CRATIFICATE  EN ANOUND.  S: NAVAJO PEAK # 1  N R Z W IN ARCHELETA CO.
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	ALITY OF IMACE ON OUR CRATIFICATE  EN ANOUND.  S: NAVAJO PEAK # 1  N R Z W IN ARCHELETA CO.
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	ALITY OF IMAGE ON OUR CRATIFICATE  SEM AMOUND.  S: NAVAJO PEAK # 1  N R Z W IN ARCHELETA CO.
P.S. I AM SORRY FOR THE QUA BUB AS YOU CAN THE IT'S BE THE WELL COCATION NAME IS THE CREAL IS: SEC 28 T33	ALITY OF IMAGE ON OUR CRATIFICATE  SEM AMOUND.  S: NAVAJO PEAK # 1  N R Z W IN ARCHELETA CO.

1131 4-

TIERRA ENVIRONMENTAL CORPORATION

Course CRITICIO MESSA LANGUSFARM From (2015) 251-46204 Values (\$100)-234-6864 Vac (\$20)-234-

TE OFFICE 14260 THE BIM STAUL 329.0924

FARM CIPPICE CIR. 3100 NM 87410 334-8894

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)  Muchel H. Baktek (ed Name) Navajo Perkil (Location Name)  Applied A County Sec 79 33 at Range 2 E
This material originated in:
☐ The State of New Maxico
The State of COORAGO , Letter from Regulatory Agency having jurisdiction therefore is attached.
Source: Drilling of oil well
Destination: There Euriconstant Composition Crotich Mesa Landfarm Facility SE 1/4. Section 2, Township 29 North, Range 12 Wes NMPM San Juan County, New Mexico
Representative for Murphy H. Baxter
do hereby certify that the wasts described above is material that is exampled from regulation by the Research Conservation and Research Art (RCRA) and is considered non-humandous official wasts. I further certify that to the best of my knowledge, so other material has been commingfed with the example wasts than would otherwise cause the wasts to be chambled as "Flagardous" by RCRA or may other Federal, State by Local law, appulgion or ordinance.
Title Petroleum Engineer Date 9/5/95
Midland, TX 79702

P. 001

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages # /

To Lawry Hunter From D. English Mean

Deputagency Phone # 92 . 24 > . 4082

FRX # 505 324-9024

NSN 7840 01-317-7388 5099 101 GENERAL SERVICES ADMINISTRATION

# CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

TIERRY ENVIRONMENTAL CORPORATION and do agree that the material
is non-hazardous and therefore exempt from regulation by the Resourse Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.
The material is exempt from regulation because it is classified as non-hazardour oilfield waste by definition.
The material is exempt from regulation by characteristic analysis.
The material is exempt from regulation by product identification.
As a representative for <u>PUREAU OF LAWO MANAGEMENT</u> I have no objections to the material being removed to New Mexico.
NAME: DONALD ENGLITHMAN TITLE BAVIRO, PROT. EPEC.
SIGNATURE DATE 9-21-95
AGENCY Bureau of Land Managament STRA
ADDRESS 701 Cambo de Rão Durano Co. 81201
PHONE (\$70) 247 - 4082

REQUEST FOR APPROVA ) ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes■ No□ By: DENNY FOUST	SCHALK DEVELOPMENT CO.
(Submitting this form for oilfield exempt waste is optional) DATE: 09/19/95	
	5. Name of Originating Site
2. Destination	SCHALK 52 #5
Tierra Environmental Corp. Crouch Mesa Landfarm	ll.
2 Address of Essility Operator	6. Name of Transporter
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	ARAPAHOE DRILLING CO.
420 CR. 5100 AZIEC, INVI 6/410	
7. Originating Location of Material (Street Address or ULSTR)	8. State
	NEW MEXICO
UNIT M SEC 24 - T29N - R5W	1
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a	certificate of waste from the Generator: one
certificate per job.	
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied be Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing	
will be approved. All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation: 09/19/95	and 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 second second s
BRIEF DESCRIPTION OF THE MATERIAL:	
MATERIAL CONSISTS OF CALCIUM CHLORIDE & SALT WI	
TIME IN THE BOTTOM OF A EVAPORATION TANK AT THIS	SSITE.
	PECENTER
	M CER OF MEIN
	3EF 2 7 1995 [V]
	OUL COM DUN
Estimated Volumeyd <sup>3</sup> Known Volume (to be entered by the operato	r at end of haul): yd <sup>3</sup>
hereby certify that the information above is true and complete to the best of my knowledge and belief.	,,
SIGNATURETITLE LANDFARM MGR	DATE <u>09/19/95</u>
TYPE OR PRINT NAME LARRY F. HUNTER TELEPI	HONE NO. <u>(505) 334-8894</u>
(This space for State Use)	
APPROVED BY Dany S. Faut TITLE Goolog 15 T	DATE 10/2/95
APPROVED BY sine Buch TITLE on	DATE
conditions of APPROVAL, IF ANY: One certificate of maste conditions safficient	done very to The both
locations sufficient	

REQUEST FOR APPROVA ) ACCEPT SOLID WASTE	KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
1. RCRA Exempt: Non-Exempt:	4. Generator SCHALK DEVELOPMENT CO.	
Verbal Approval Received: Yes No□ By: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 09/19/95	SCHALK DE VELOU WIENT CO.	
2. Destination	5. Name of Originating Site	
Tierra Environmental Corp. Crouch Mesa Landfarm	SCHALK 52 #6	
Address of Facility Operator	6. Name of Transporter	
420 CR. 3100 AZTEC, NM 87410	ARAPAHOE DRILLING CO.	
7. Originating Location of Material (Street Address or ULSTR)	8. State	
UNIT G SEC 24 - T29N - R5W	NEW MEXICO	
9. Check One		
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.		
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.		
C. All requests for approval to accept non-exempt wastes must be accomanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		
All transporters must certify that the wastes delivered are only those consigned for transport.		
Projected Date(s) for transportation: 09/19/95		
BRIEF DESCRIPTION OF THE MATERIAL:		
MATERIAL CONSISTS OF CALCIUM CHLORIDE & SALT WHICH ACCUMULATED OVER TIME IN THE BOTTOM OF A EVAPORATION TANK AT THIS SITE.		
Estimated Volumeyd <sup>3</sup> Known Volume (to be entered by the operator	r at end of haul): ${f 2}$ vd $^3$	
hereby certify that the information above is true and complete to the best of my knowledge and belief.	at end of flaulyyd	
SIGNATURE TITLE LANDFARM MGR DATE 09/19/95		
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894		
APPROVED BY Deny Si Faultitle Geolosist	DATE # 10/2/95	
APPROVED BY Frue Bush TITLE 4	DATE	

CONDITIONS OF APPROVAL, IF ANY:



# Tierra Environmental Corporation

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

# CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
SCHALK 52#5
M 24-29-5
RIO ARIBBA CO. N.M.
This material originated in:
The State of New Mexico
The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Agency having jurisdiction therefore is attached.
Source: MATERIAL CONSISTS DE CALCIUM
Chloride & SAIT which ACCUMALATED
over Time IN The GOTTOM OF AN
EURPAVATION TANK AT This Well SITE
COPPHIANTER THE WEST OFF
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West
NMPM
San Juan County, New Mexico
I JACK EVANS
Representative for Schalk Development Co.
P.O. BOX 2078
FARMNETON, N.M. 87401
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that
would otherwise cause the waste to be classified as "Hazardous" by RCRA or any
other Federal, State or Local law, regutation or ordinance.
Signature ack crans
Title PROD SUPT. Date Sept. 19, 1925



# Tierra Environmental Corporation

Originating

CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

\*\*\*\*\*\*

420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

# CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
SCHALK 5276
G 24-29-5
RIO ARRIBA CO., NM.
This material originated in:
The State of New Mexico
The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Source: MATERIAL CONSISTS OF CALCIUM
chloride of SALT which ACCUMALATED
over Time IN The bottom of A
EUAPORATION TANK AT This well site
Destination: Tierra Environmental Corporation  Crouch Mesa Landfarm Facility  SE 1/4, Section 2, Township 29 North, Range 12 West  NMPM  San Juan County, New Mexico
I JACK EVANS
Representative for SCHALK Development Co. P.O. BOX 2018
FARMINGTON, N. M. 87401
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
Title Prod. Supt. Date Sept. 19, 1995
Address

REQUEST FOR APPROVA' ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt:      Non-Exempt: □	4. Generator
Verbal Approval Received: Yes No□ By: DENNY FOUST  (Submitting this form for oilfield exempt waste is optional) DATE: 09/13/95	BASIN DISPOSAL
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site SAME AS ABOVE UNIT E SEC 3, 29N, 11W
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter C F & M OILFIELD SERVICE
7. Location of Material (Street Address or ULSTR)  SAME AS ABOVE CELL 11	8. State NEW MEXICO
9. Check One	,
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution of the contribution o	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied b Generator and the New Mexico Environmental Dept or other appropriate government	
C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste cl	ssary chemical analyses to prove assified as hazardous by listing or testing
will be approved. All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation:09/13/95	
BRIEF DESCRIPTION OF THE MATERIAL:	and 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 second second s
SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-M WITH CLEAN SOIL	DECENDED SEP 1 5 1995
	OIL CON. DIV.
Estimated Volume 300 yd 3 Known Volume (to be entered by the operator	at end of haul):370yd³
SIGNATURE 7. 2. 2. TITLE LANDFARM MGR	DATE <u>09/13/95</u>
	HONE NO. (505) 334-8894
APPROVED BY Deny 3. Trent TITLE Geolog ist	DATE 9/15795
APPROVED BY Ruse Bused TITLE 1	DATE
CONDITIONS OF APPROVAL, IF ANY:	



# TIERRA ENVIRONMENTAL CORPORATION

### CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250 Farmington, NM 87401

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420 CR. 3100 Aztec, NM 87410 (505) 334-8894 Fax (505) 334-9024

# CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

	SAL E & F - 3 - 29 N 11 W
	UNIT E SEC3, 29N, 11W
This materia	l originated in:
☑ The State	of New Mexico
☐ The State Agency h	of Letter from Regulatory aving jurisdiction therefore is attached.
Source: <u>50</u> 4	DS FROM WASTE WATER INSECTION PROCESS PRE-MIXED WITH
CLEAN SOIL	
APPNOX	4D3
. <i>C</i>	Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 W NMPM San Juan County, New Mexico
	ve for
Representativ	

REQUEST FOR APPROVA ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXX
RCRA Exempt: ■ Non-Exempt: □  Verbal Approval Received: Yes ■ No □	Generator  EL PASO NATURAL GAS
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST	
2. Destination	5. Name of Originating Site
Tierra Environmental Crouch Mesa Landfarm	See Attached List
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter  Doug Foutz Construction
7. Location of Material (Street Address or ULSTR)	8. State
See Attached List	New Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	a certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept or other appropriate governmental Dept o	
C. All requests for approval to accept non-exempt wastes must be accomanied by ne the material is non-hazardous and the Generator's certification of origin. No waste	
will be approved. All transporters must certify that the wastes delivered are only	y those consigned for transport.
Projected Date(s) for transportation:	The state and state and state are the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state as the state
BRIEF DESCRIPTION OF THE MATERIAL:	· · ·
Various dehydrator and drip pits at closure sites closed during AUGUST 1995	DECEIVED N SEP 1 5 1995
	OIL CON. DIV. Disi. 3
	And 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 second second s
Estimated Volume 1175 yd3 Known Volume (to be entered by the operation	tor at end of haul); yd <sup>3</sup>
hereby certify that the information above is true and complete to the best of my knowledge and belief.	0.01.07
SIGNATURE 7. 7. TITLE LANDFARM MGR.	DATE9/01/95
TYPE OR PRINT NAME LARRY F. HUNTER TELEF	PHONE NO. (505) 334-8894
(This space for State Use)	0/1-1
APPROVED BY Deny TITLE Geologis/	DATE <u>9/ /5/ 95</u>
APPROVED BY Such TITLE	ر بن
CONDITIONS OF APPROVAL, IF ANY:	



## TIERRA **ENVIRONMENTAL CORPORATION**

CORPORATE OFFICE 12205 E. Skelley Drive Tulsa, OK 74128 918-437-6200

OPERATIONS OFFICE 909 W. Apache farmington, NM 87401 505-325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)
A list of pit closure sites is attached.
This material eviginated:
This material originated:
In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Various dehydrator and drip pits.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I Sandra D. Miller
representative for C1 Paso Natural Gas Company
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal. State or Local law, regulation or ordinance.
Signature Sandy Il Wille
Title SXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Addres P.O. Box 4990; Farmington, NM 87499
Date

### Sheet1

			Tierra	
CLOSED	METER	METER2	1-0-01111-11	STRL
8/2/95	90178		Leslie Kay #1	7-29-12-F
8/18/95	72265		San Juan 28-6 #79 MV	11-27-6-M
8/23/95	70327		Gartner LS #7	26-30-8-K

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK# C	ONT/YDS BA	CK/YDS	CELL
8/2/95	9687	90178	LESLIE KAY #1	FOUTZ	132	10.00	10.00	9
8/2/95	9688	90178	LESLIE KAY #1	FOUTZ	933	10.00	10.00	9
G/Z/JU	7000	70170	LESLIE KAI #I	10012	755	20.00	20.00	,
						20.00	20.00	
8/15/95	9689	72265	SAN JUAN 28-6 #79mv	FOUTZ	432	20.00	20.00	9
8/15/95	9690	72265	SAN JUAN 28-6 #79mv	FOUTZ	831	20.00	20.00	9
8/15/95	9691	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	20.00	20.00	9
8/15/95	9692	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	30.00	30.00	9
8/15/95	9693	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	20.00	20.00	9
8/15/95	9694	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	30.00	30.00	9
8/15/95	9695	72265	SAN JUAN 28-6 #79mv	FOUTZ	935	20.00	10.00	9
8/15/95	9696	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	<u>20.00</u>	10.00	9
						180.00	160.00	
8/16/95	9697	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	30.00	30.00	9
8/16/95	9698	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	45.00	45.00	9
8/16/95	9699	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	45.00	45.00	9
8/16/95	9700	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	30.00	30.00	9
8/16/95	9701	72265	SAN JUAN 28-6 #79mv	FOUTZ	832	30.00	30.00	9
8/16/95	9702	72265	SAN JUAN 28-6 #79mv	FOUTZ	132	20.00	20.00	9
0/10//5	), O2	72200	STAIL OUTER 25-0 H / JIIIV	10012	152	200.00	200.00	
						200.00		
8/17/95	9703	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	45.00	45.00	9
8/17/95	9704	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	30.00	30.00	9
8/17/95	9705	72265	SAN JUAN 28-6 #79mv	FOUTZ	132/831	30.00	30.00	9
8/17/95	9706	72265	SAN JUAN 28-6 #79mv	FOUTZ	432	30.00	30.00	9
8/17/95	9707	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	30.00	30.00	9
8/17/95	9708	72265	SAN JUAN 28-6 #79mv	FOUTZ	935/931	20.00	20.00	9
8/17/95	9709	72265	SAN JUAN 28-6 #79mv	FOUTZ	409 ·	0.00	10.00	
8/17/95	9710	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	20.00	10.00	9
8/17/95	9711	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	<u>15.00</u>	<u>0.00</u>	9
						220.00	205.00	
8/18/95	9712	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	10.00	10.00	9
8/18/95	9713	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	10.00	10.00	9
8/18/95	9714	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	15.00	0.00	9
2, 2 2, ,						35.00	20.00	
0/31/05	9715	70327	GARTNER LS #7	FOUTZ	934	20.00	10.00	9
8/21/95	9713 9716	70327	GARTNER LS #7	FOUTZ	831	20.00	10.00	9
8/21/95 8/21/95	9710	70327	GARTNER LS #7	FOUTZ	835	20.00	10.00	9
8/21/95	9717	70327	GARTNER LS #7	FOUTZ	935	<u>20.00</u>	10.00	9
8/21/93	9/10	/032/	GARINER LS#/	FOUIZ	733	<u>20.00</u> 80.00	40.00	,
						0 <b>0.</b> 00	40.00	
8/22/95	9719	70327	GARTNER LS #7	FOUTZ	131	20.00	20.00	9
8/22/95	9720	70327	GARTNER LS #7	FOUTZ	132	20.00	20.00	9
8/22/95	9721	70327	GARTNER LS #7	FOUTZ	835	30.00	40.00	9
8/22/95	9722	70327	GARTNER LS #7	FOUTZ	831	40.00	40.00	9
8/22/95	9723	70327	GARTNER LS #7	FOUTZ	432	40.00	40.00	9
8/22/95	9724	70327	GARTNER LS #7	FOUTZ	933	20.00	20.00	9

8/22/95	9725	70327	GARTNER LS #7	FOUTZ	934	10.00 180.00	10.00 190.00	9
8/23/95	9726	70327	GARTNER LS #7	FOUTZ	933	30.00	30.00	9
8/23/95	9727	70327	GARTNER LS #7	FOUTZ	132	40.00	40.00	9
8/23/95	9728	70327	GARTNER LS #7	FOUTZ	131	10.00	10.00	9
8/23/95	9729	70327	GARTNER LS #7	FOUTZ	432	40.00	40.00	9
8/23/95	9730	70327	GARTNER LS #7	FOUTZ	831	40.00	40.00	9
8/23/95	9731	70327	GARTNER LS #7	FOUTZ	931	30.00	30.00	9
8/23/95	9732	70327	GARTNER LS #7	FOUTZ	835	20.00	20.00	9
8/23/95	9733	70327	GARTNER LS #7	FOUTZ	935	10.00	0.00	9
8/23/95	9734	70327	GARTNER LS #7	FOUTZ	934	10.00	0.00	9
8/23/95	9735	70327	GARTNER LS #7	FOUTZ	832	15.00	0.00	9
8/23/95	9736	70327	GARTNER LS #7	FOUTZ	531	15.00	0.00	9
						260.00	210.00	
						1,175.00	1,045.00	

## EL PASO JULY 1995

<u>DATE</u>	<b>LOCATION</b>	<b>METER</b>	<b>CONT</b>	<u>FILL</u>	<u>CELL</u>
8/2/95	LESLIE KAY #1	90178	20.00	20.00	9
8/18/95	SAN JUAN 28-6 #79mv	72265	635.00	585.00	9
8/23/95	GARTNER LS #7	70327	520.00	440.00	9

SUM: SUM:

1,175.00 1,045.00

REQUEST FOR APPROVAL ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt:      Non-Exempt: □	4. Generator
Verbal Approval Received: Yes■ No□ By: DENNY FOUST	MALLON OIL CO.
(Submitting this form for oilfield exempt waste is optional) DATE: 09/01/95	
2. Destination	5. Name of Originating Site
Tierra Environmental Corp. Crouch Mesa Landfarm	So. UTE 30-9
3. Address of Facility Operator	6. Name of Transporter
420 CR. 3100 AZTEC, NM 87410	THREE RIVERS TRUCKING
	8. State
7. Location of Material (Street Address or ULSTR)	COLORADO
SAME AS ABOVE CELL 12 IMPOUNDMENT	
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a	certificate of waste from the Generator; one
certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by	y a certification of waste status from the
Generator and the New Mexico Environmental Dept or other appropriate government	agency; two certificates per job.
<ul> <li>C. All requests for approval to accept non-exempt wastes must be accomanied by nece the material is non-hazardous and the Generator's certification of origin. No waste c will be approved.</li> </ul>	essary chemical analyses to prove lassified as hazardous by listing or testing
All transporters must certify that the wastes delivered are only	those consigned for transport.
Projected Date(s) for transportation: 09/02/95	
BRIEF DESCRIPTION OF THE MATERIAL:	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the 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
DRILLING MUD CUTTING, LOW SOLIDS, NON-DISPENSED BE DRILLING MUD	NTONITE PEGETVED  SEP 1 5 1995
	OIII GON. DIV.
Estimated Volume 360 Bbls. yd 3 Known Volume (to be entered by the operato	r at end of haul): 400 Bbls. yd³
hereby certify that the information above is true and complete to the best of my knowledge and belief.	DATE 09/05/95
SIGNATURE TITLE LANDFARM MGR	
	HONE NO. <u>(505) 334-8894</u>
APPROVED BY Jerry 3. Tant TITLE Geologist	DATE 9/15/95
APPROVED BY THE Sand TITLE 1	DATE / /
CONDITIONS OF APPROVAL, IF ANY:	· · · <b>·</b>



# TIERRA Environmental Corporation

# CORPORATE OFFICE and LANDFARM

P.O. Drawer 15250
Farmington, NM 87401
\*\*\*\*\*\*\*\*\*\*\*
420 CR. 3100
Aztec, NM 87410
(505) 334-8894
Fax (505) 334-9024

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

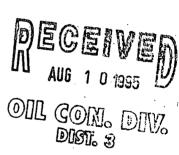
Originating Site: (Include Name, Section, Township, Range, 1/4, etc.)
5. Ute 30-9
5. Ute 30-9 sec. 30 gT 33 N, RII W
This material originated in:
☐ The State of New Mexico
☐ The State of Letter from Regulatory Agency having jurisdiction therefore is attached.
Source: S. Ute 30-9 Dnilling mud CUTTING.
Source: S. Ute 30-9 Dnilling Mud CUTTING, LOW Solids NOW. Dispensed BONTONITE Dailling Mid.
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico I Stale Z Representative for MA-1000 Cil Campany
do hereby certify that the waste described above is material that is exempted from
regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State of Local law, regulation or ordinance.
Fitte Hoduction Foreman Date 8/31/95
Address

# 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 RCRA S. UTE 30-9 well; Mallon O: (Co. Nexe 20-3)	exempt material from
is non-hazardous and therefore exempt from regulation be Recovery Act (RCRA) and my jurisdictions rules, regulation	y the Resourse Conservation and
The material is exempt from regulation because it is waste by definition.	classified as non-hazardous oilfield
The material is exempt from regulation by characteri	istic analysis.
The material is exempt from regulation by product in	dentification.
As a representative for the Liveau of Land M.	on agoment have no
objections to the material being removed to New Mexico.	•
Name: DONALD ENGLICHMAN	Acting Minende Title: Staff Chief
Signature Darld Cylishum	Date 9-1-95
Agency Dureau of Land Management (	(0:1 & Gaz)
Address 701 Camino del Rio, Durang.	o Co. 41301
Phone Office: (970) 247-4072	
home: (970) 24> - 9524	

REQUEST FOR APPROVA O ACCEPT SOLID WASTE	=	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1	715111	4 D Name of Transporter
Verbal Approval Received: Yes   No	MILLEY.	Philip
(Submitting this form for oilfield exempt waste is optional)  2. Destination		5. ဥ <b>ြော့</b> erator
Tierra Crouch Mesa Landfarm	. 1	El Paso
3. Address of Facility Operator		6. Name of Originating Site
· ·		El Paso Pipeline Dist Invest
<u> </u>		
7. Originating Location of Material (Street Address or ULSTR)		8. State
816 Aztec Blvd. Aztec N.M.		N.M.
<ul> <li>9. Check One</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accept ifficate per job.</li> <li>B. All requests for approval to accept non-oilfield exempt wastes will be Generator and the New Mexico Environment Department or other approval.</li> <li>All requests for approval to accept non-exempt wastes must be accompanied to the material is non-hazardous and the Generator's certification of original will be approved.</li> </ul>	accompanied by propriate governr ppanied by nece	a certification of waste status from the nent agency; two certificates per job.
All transporters must certify that the wastes deliver	ed are only	those consigned for transpor
Projected Dates(s) for Transportation:		
BRIEF DESCRIPTION OF THE MATERIAL:		
Result of Sump Closure from above location  DE	CEIVI SEP - 8 1995	950857 resample
ON	COUL F	
	COM. D DIST. 3	UVo Do. JV
	Dueno e	
		ECENVED AUG 1 0 1995
	WII.	L GONL DIV. DIST. 3
Estimated Volume 325 yd Known Volume (to be entered by t		nd of the haul):yo
SIGNATURE		DATE 8/9/95
TYPE OR PRINT NAME Phillip Contabis	Т	ELEPHONE NO. 325-0924
This space for State Use)		
APPROVED BY Denny 2, Frant TITLE G	eolog re	DATE 8/11/95
APPROVED BY TITLE	EOLOGIST	DATE 9-7-95
conditions of approval IF any: Waiting on Seini - Vo	datiles	Called Durny

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
3. RCRA Exempt: Non-Exempt: 💂	4. Name of Transporter
Verbal Approval Received: Yes   (Submitting this form for oilfield exempt waste is optional)	Philip
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	El Paso
3. Address of Facility Operator	6. Name of Originating Site
P.O. Box 15250 Farmington, N.M. 87401	El Paso Pipeline Dist Invest
7. Originating Location of Material (Street Address or ULSTR)	8. State
816 Aztec Blvd. Aztec N.M.	N.M.
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by certificate per job.	a certification of waste from the Generator; on
☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied	by a certification of waste status from the
Generator and the New Mexico Environment Department or other appropriate gove	rnment agency; two certificates per job.
All requests for approval to accept non-exempt wastes must be accompanied by ne	classified as hazardous by liceton as assistant
the material'is non-hazardous and the Generator's certification of origin. No waste will be approved.	grided as mazardous by listing or testing
the material is non-hazardous and the Generator's certification of origin. No waste will be approved.  All transporters must certify that the wastes delivered are o	
will be approved.	

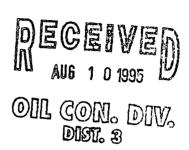


	•			DIST.	3 3
Estimated Volume	325	yd <sup>1</sup>	Known Volume (to be entered by the op-	erator at the end of the haul): _	
SIGNATURE	t the informati		the best of my knowledge and belief.  TITLECEO		DATE 8/9/95
TYPE OR PRINT	T NAME	Phillip C	n/a his	TELEPHONE NO	325-0924
(This space for State		ny 2. 7	TITLE GE	ologist	DATE 8/11/95
APPROVED BY			TITLE		DATE
Som to A	E 8/1/	/95 INV:			



August 10, 1995

Phillip C. Nobis Tierra Environmental Co. 909 West Apache Farmington, NM 87401



Re: Aztec Pipeline District Sump Investigation - El Paso Natural Gas Company (EPNG)

Mr. Nobis.

EPNG's Aztec Pipeline District has removed approximately 375 cubic yards of non-exempt soil from beneath the District Office Garage according to NMOCD's directive. Details are as follows:

- Aztec Pipeline District 816 Azted Blvd NE, City of Aztec
- · Certificate of Waste Status for non-exempt waste is attached
- Analysis for the soil is attached for your review
- Philip Environmental will deliver the soil to your facility upon NMOCD approval
- EPNG's NMOCD approved Closure Plan is attached

Philip Environmental has heavy equipment standing by to complete this project, therefor any efforts to expedite the approval would be appreciated.

Should you require further information, please do not hesitate to call at 5992175.

Thank you,

Patrick Marquez
Compliance Engineer

cc: w/attachments

Denny Foust - Aztec NMOCD Bill Olson - NMOCD Charlie Brown - EPNG

Sandra Miller/David Bavs/File: 5216 Environmental



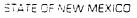
## Tierra Environmental Corporation

CORPORATE OFFICE
P. O. Drawer 15250Farmington, NM 87401
(505) 325-0924

# CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
El Paso Natural Gas Co Aztec Pipeline District located at 816 Aztec Blvd NE, City of Aztec
"Sump Investigation"
Source: The sump received floor drain effluent from the garage.
Effluent was primarily generated from the common practice
of washing down the floor with a fresh water source.
Patrick Marquez
Irepresentative
for El Paso Natural Gas Company
In home was if a that the country described above in man around a coordinate the
do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-
hazardous by characteristic analysis or by product identification.
hazardous by characteristic analysis of by product identification.
The appropriate documentation is hereto attached.
The appropriate documentation is noteto attached.
Check appropriate line(s)
one 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 the con
MSDS Information
RCRA TCLP Analysis
_XRCRA Metals
<u>Ign</u> Corrosivity, Ignitability, Reactivity
Letter from Out of State Regulatory Agency
I further certify that there has been no change in the processes employed
or chemicals stored / used at the facility generating the waste
since
Signature 12th/N >- May
Compliance Engineer
Title
August 10, 1995
Date

File 8013 -Garage (1cz Fld)





### ENERGY. MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 



BRUCE KING

August 22, 1994

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

ANITA LOCKWOOD

# CERTIFIED MAIL RETURN RECEIPT NO. P-111-334-156

Ms. Anu Pundari Sr. Compliance Engineer El Paso Natural Gas Company P.O. Box 4990 Farmington, New Mexico 87499

RE: EPNG AZTEC YARD

SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Hall:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) July 12, 1994 "EPNG AZTEC YARD SUMP CLOSURE". This document contains EPNG's work plan for closure of the existing sump north of the welding shop which was taken out of service in 1990.

The above referenced work plan is approved with the following condition:

1. The report containing the results of the closure and a work plan for determining any potential impacts from the old sump under the slab of the welding shop will be submitted to the OCD by November 4, 1994.

Please be advised that OCD approval does not relieve EPNG of liability should the closure activities fail to adequately remediate contaminants related to EPNG's activities. In addition, OCD approval does not relieve EPNG of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,

William C. Olson Hydrogeologist

Environmental Bureau

xc: OCD Aztec Office



July 12, 1994

Mr. Bill Olson New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504

Subject: EPNG Aztec Yard Sump Closure

Dear Mr. Olson:

Attached is the closure plan for the existing sump north of the welding shop which was taken out of service in 1990. A work plan for determining any potential ground water impacts from the old sump located under the slab of the welding shop which was closed in 1974 will be sent with the north sump closure report.

El Paso Natural Gas Company respectfully requests approval of the attached closure plan. If you need additional information, please contact me at (505) 599-2176.

Anu Pundari

Sr. Compliance Engineer

Pundan

### NORTH SUMP CLOSURE PLAN

- 1. The assessment to determine the lateral and vertical extent of contamination will be performed according to NMOCD's Unlined Surface Impoundment Closure Guidelines.
- 2. Upon removal of the culvert, any visually contaminated soil will be excavated to a maximum depth and horizontal extent practicable.
- 3. The soil will be stockpiled onsite and covered with plastic.
- 4. Composite soil samples will be obtained from the side walls and bottom of the excavation prior to backfilling. Soil samples will be analyzed for benzene, toluene, xylene, ethylbenzene by EPA Method 8020, and Total Petroleum Hydrocarbons by 418.1
- 5. The representative sample of the stockpiled soil will be analyzed for benzene, toluene, xylene, ethylbenzene by EPA Method 8020, and Total Petroleum Hydrocarbons by 418.1, RCRA TCLP analysis, RCRA metals, and ignitability. The soil will not be tested for corrosivity and reactivity since there is no reason to believe that corrosive or reactive waste was disposed in the sump.
- 6. Upon approval for disposal of "non-exempt" soil from NMOCD and Tierra Environmental, the contaminated soil will be transported to Tierra Environmental's landfarm facility. Tierra Environmental will be responsible for spreading, disking and analyzing the soil at the landfarm according to NMOCD requirements.
- 7. The excavated soil will be replaced with clean backfill and machine compacted.
- 8. The backfilled area will be repaved with asphalt.
- 9. A report containing the results of the closure will be submitted to NMOCD after completion of the closure activities. The closure report will detail any additional investigation if required. In addition, a work plan for determining any potential ground water impacts from the old sump located under the slab of the welding shop which was closed in 1974 will be sent.
- 10. The local NMOCD will be notified of excavation activities at least 48 hours prior to commencement such that NMOCD has the opportunity to witness the operation and/or split samples.

	Analytical <b>Technologies</b> , Inc.	Mitch Rubensteir  Kim McNeill  Dianne Cutler
	2709-D Pan American Freeway, NE (505) 344-3777  Albuquerque, NM (505) 344-4413 FAX	Peggy Norton
Number of	pages being sent: 20 (including this page)	
TO:		
Name	: John Lambdin	
Company	EPNG	· A · · · · · · · · · · · · · · · · · ·
Phone #		
FAX#	5992261	
00848458	TC.	
COMMEN	Aztec P/a Report ATI 10 507	405
	-375 Cubic Yeds Soil	
<del>p. p </del>		

### NOTE:

If any of these FAX copies are illiegible or you do not receive the same number of pages as stated above, please contact us immediately.

#### ATI I.D. 507405

August 7, 1995

El Paso Natural Gas Co. P.O. Box 4990 Farmington, NM 87499

Project Name/Number: AZTEC P/L

Attention: John Lambdin

On 07/26/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 8020 and 8015 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

Sample was diluted for EPA method 3020 due to the presence of late eluting hydrocarbons.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.

Laboratory Manager

Kimberly D. McNeill Project Manager

MR:jt

Enclosure

200

CLIENT

: EL PASO NATURAL GAS CO.

DATE RECEIVED

:07/26/95

PROJECT #

: (NONE)

PROJECT NAME

: AZTEC P/L

REPORT DATE

:08/07/95

ATI ID: 507405

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	950804	NON-AQ	07/21/95

---TOTALS---

MATRIX NON-AQ #SAMPLES

ı.

### ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

### TCLP METALS

Sample ID

950804

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Date Collected: 07/21/95

Client Project ID: Aztec P/L -- 507405

Prep Date: 07/28,31/95

Lab Sample ID: 95-07-189-01

Date Analyzed: 07/31/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
			(010	MID	0.1
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	5010	2	] 1
D006	7440-43-9	Cadmium	6010	ND	0,05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

### TCLP METALS

Sample ID

TCLP Blank

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Date Collected: N/A

Client Project ID: Aztec P/L -- 507405

Prep Date: 07/28,31/95

Lab Sample ID: RB 95-07-189

Date Analyzed: 07/31/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	I
D005	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

# TCLP METALS MATRIX SPIKE

Sample ID

950804

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-07-189-01

Sample Matrix: TCLP Leachate

Prep Date: 07/28/95

Date Analyzed: 07/31/95

Anaiyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Arsenic	20	< 0.1	2Ĭ	105	
Barium	20	2	21	95	
Cadmium	0.50	< 0.05	0.45	90	
Chromium	2.0	< 0.1	1.9	95	
Lead	5.0	< 0.03	5.1	102	
Selenium	20	< 0.05	22	110	
Silver	2.0	< 0.1	2,3	115	

Analyte	MSD Cone. mg/L	MSD % Rec (limits 80-120 %)	Relative % Difference (limits 0-20%)	Flags
Arsenic	21	105	0	
Barium	21	95	0	
Cadmium	0.45	90	0	
Chromium	1.8	90	5	,
Lead	5.0	100	2	
Selenium	22	110	0	
Silver	2.3	115	0	

### TCLP METALS MATRIX SPIKE

Sample ID

in House

Prep Date: 07/31/95

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-07-165-01

Date Analyzed: 07/31/95 Sample Matrix: TCLP Leachate

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Mercury	0.020	< 0.002	0.020	100	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120 %)	Relative % Difference (limits 0-20%)	Flags
Mercury	0.019	95	5	

# IGNITABILITY Method 1010

Lab Name: Analytical Technologies, Inc.

Date Collected: 07/21/95

Client Name: ATI-NM

Date Analyzed: 07/31/95

Client Project ID: Aztec P/L--507405

Sample Matrix: Soil

Lab Workorder Number: 95-07-189

Sample ID	Lab Sample ID	Ignitable At (deg C)	Non-ignitable Below (deg C)
950804	95-07-189-01		96.5

20 4. T

### GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX, MTBE (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 507405

PROJECT #

: (NONE)

PROJECT NAME : AZTEC P/L

SAMPLE ID. # CLIENT I.D.	DATE MATRIX SAMPLED		DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR	
01 950804	DA-NON	07/21/95	07/26/95	07/27/95	5	
PARAMETER		UNITS	01			
BENZENE		MG/KG	<0.13		**	
TOLUENE		MG/KG	<0.13			
ETHYLBENZENE		MG/KG	<0.13			
TOTAL XYLENES		MG/KG	0.20			
METHYL-t-BUTYL ETHER		MG/KG	<0.60			

SURROGATE:

BROMOFLUOROBENZENE (%)

82

### GAS CHROMATOGRAPHY RESULTS

### REAGENT BLANK

ATI I.D. : 507405 : BTEX, MTBE (EPA 8020) TEST MATRIX : NON-AQ : 072695 BLANK I.D. : 07/26/95 DATE EXTRACTED : EL PASO NATURAL GAS CO. CLIENT DATE ANALYZED : 07/26/95 PROJECT # : (NONE) DILUTION FACTOR: 1 : AZTEC P/L PROJECT NAME UNITS PARAMETER MG/KG <0.025 BENZENE <0.025 MG/KG TOLUENE MG/KG <0.025 ETHYLBENZENE MG/KG <0.025 TOTAL XYLENES MG/KG <0.12 METHYL-t-BUTYL ETHER

SURROGATE:

BROMOFLUOROBENZENE (%)

109

02/01.7

<u>המאחממשט דוון נודד.דמי הם כה הפיי</u>

#### GAS CHROMATOGRAPHY - QUALITY CONTROL

#### MSMSD

TEST : BTEX, MTBE (EPA 8020)

MSMSD # ; 50740210 ATI I.D. : 507405

CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/26/95

PROJECT # : (NONE) DATE ANALYZED : 07/27/95

PROJECT NAME: AZTEC P/L SAMPLE MATRIX : NON-AQ

REF. I.D. : 50740210 UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	₹ REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	1.0	100	1.0	100	0
TOLUENE	<0.025	1.0	1.1	110	1.1	110	0
ETHYLBENZENE	<0.025	1.0	1.1	110	1.1	110	0
TOTAL XYLENES	<0.025	3.0	3.3	110	3.2	107	3
METHYL-t-BUTYL ETHER	<0.12	2.0	1.5	80	1.6	80	U

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) = Average Result

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### GAS CHROMATOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 507405

PROJECT #

: (NONE)

PROJECT NAME : AZTEC P/L

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	950804	NON-AQ	07/21/95	07/27/95	07/28/95	10
PARAME	TER	`	UNITS	01		
FUEL H	YDROCARBONS		MG/KG	1900		
HYDROC.	ARBON RANGE			C10-C34		
HYDROC.	ARBONS QUANTITATED	USING		DIESEL		

SURROGATE:

O-TERPHENYL (%)

101

### GAS CHROMATOGRAPHY RESULTS

#### REAGENT BLANK

: EPA 8015 MODIFIED ATI I.D. : 507405 TEST MATRIX : NON-AQ : 072795 BLANK I.D. : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/27/95 CLIENT : 07/27/95 DATE ANALYZED PROJECT # : (NONE) DILUTION FACTOR: 1 PROJECT NAME : AZTEC P/L UNITS PARAMETER MG/KG <5 FUEL HYDROCARBONS HYDROCARBON RANGE HYDROCARBONS QUANTITATED USING SURROGATE: 106

O-TERPHENYL (%)

### GAS CHROMATOGRAPHY - QUALITY CONTROL

#### MSMSD

TEST : EPA 8015 MODIFIED

MSMSD # : 072795 ATI I.D. : 507405

CLIENT ; EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/27/95

PROJECT # : (NONE) DATE ANALYZED : 07/27/95

PROJECT NAME: AZTEC P/L SAMPLE MATRIX : NON-AQ

REF. I.D. : 072795 UNITS : MG/KG

	SAMPLE	CONC	SPIKED	8	DUP	DUP	
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD
FUEL HYDROCARBONS	<5	100	100	100	100	100	0

(Spike Sample Result - Sample Result)

Recovery = ----- X 100

Spike Concentration





To: Patrick Marquez

From: John Lambdin

**Date:** July 31, 1995

Place: Field Services Laboratory

## Subject: Aztec P/L Sump Excavation Analytical Results

On July 20, 1995 the Field Services Laboratory collected one (1) soil sample from the referenced excavation/remediation project site. The sample was assigned Field Services laboratory number 950798.

The sample was tested for TPH by EPA 418.1 and Modified 8015 as well at BTEX by EPA Method 8020. Enclosed you will find copies of all analytical results.

Please let me know, if you have any questions.

Pit

CC;

Results Log Book File

Attachments



### Project No. Project Name Contract Laboratory Requested Analysis Total No. of Containers Chain of Custody Seals Samplers: (Signature) Date Receiving Temp. (°F) Sw. Intact? Lab ID Date Sample Number 5 pts Composite 20x26x2 deep gavage Sump 7:2025 1350 5014 950 748 Relinquished by: (Signature) Received by: (Signature) Relinquished by: (Signature) Date/Time Received by: (Signature) Date/Time Received by: (Signature) Relinquished by: (Signature) Date/Time Received by. (Signature) Relinquished by, (Signature) Date/Time Relinquished by: (Signature) Received for Laboratory by: (Signature) Date/Time Date/Time Remarks: Charge Code Results & Invoices to:: Date Results Reported / by: (Signature) san juan repro Forn WHITE-Testing Laboratory YELLOW-EPNG Lab



# FIELD SERVICES LABORATORY ANALYTICAL REPORT

### SAMPLE IDENTIFICATION

EPNG LAB ID #:	950798
DATE SAMPLE:	20-Jul-95
TIME SAMPLE (Hrs):	1350
SAMPLED BY:	Richard Benson
LOCATION:	Aztec P/L
SAMPLE POINT:	Sump Excavation
SAMPLE TYPE:	5 - Point Composite

REMARKS: 20' x 20' x 12' Excavation

### **RESULTS**

PARAMETER	PARAMETER RESULT UNITS					
			DF	<b>Q</b>	M(g):	V(ml)
TPH (418.1)	103	MG/KG	1	None	2.00	28
PERCENT SOLIDS	95	%	N/A	None	5.0	N/A

<sup>--</sup> TPH is by EPA Method 418.1 --

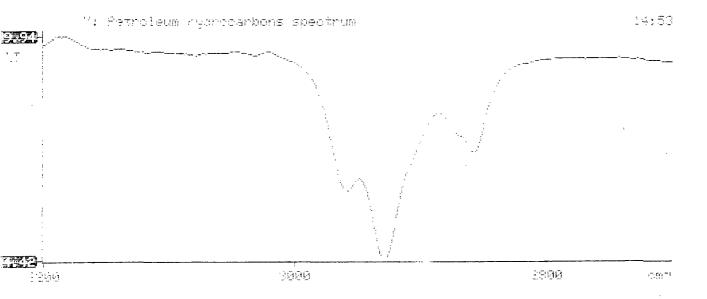
#### Narrative:

All QA/QC was found to be acceptable.

DF = Dilution Factor, Q = Data Qualifier, M(g) = Sample Mass, V (ml) = Extraction volume

Date: 7/21/95

Test Methor Oil and Grease and Petr ... m Hydrocarbons in Water and Loil Perkin-Elmer Model 1600 FT-IR Analysis Report 35/07/20 14:53 Sample identification 50798 Initial mass of sample, g 1.000 -Volume of sample after extraction, ml 3,000 Petroleum hydrocartins, ppm .03.319 Net absorbance of rycrocarbons (2930 cm-1)



no solids -> 94.8%

QUATTIT CONTROL REPORT

ΤI

Modified 418.1 by Infrared

Date of Analysis: July 20, 1995

1 Aztec Sump Invest.

9 Pit Samples

20-21 LD

#### LABORATORY CONTROL SAMPLES: CALIBRATION CHECKS

SAMPLE ID	SOURCE	TRUE VALUE (PPM)	FOUND (MG/KG)	%R	ACCEPTABLE RANGE 75-125 %R YES NO
INITIAL CALIBRATION VERIF. "B" Heavy Oil (Lot M3G9616	HORIBA	100	99	99	×

Narrative: Acceptable.

#### LABORATORY DUPLICATES:

	SAMPLE NUMBER	TYPE	RESULT (S)MG/KG	DUPLICATE RESULT (D)MG/KG	RPD	ACCEPTABLE RANGE + / - 35%	
·	947033	2na Extract	112	Ê1	32.49		

Narrativa: Acceptable.

#### LABORATORY SPIKES:

SAMPLE NUMBER	1	↓ 1	SAMPLE	% <b>R</b>	ACCEPTABLE RANGE 75-125 %R YES NO
947033	3220	112	4091	124	×

Narrative: Acceptable.

#### REFERENCE SOIL (Laboratory Control Sample):

SAMPLE:	SOURCE	KNOWN VALUE (MG/KG)	SAMPLE RESULT FOUND (MG/KG)	MFG SPECIFIED RANGE	ACCEPTABLE NO
ERA TPH STANDARD #1 LOT = 31026	ENVIRONMENTA RESOURCE ASS.	1340	1660	804 - 1680	Х
ERA TPH STANDARD #2 want   LOT # 91026	ENVIRONMENTA RESOURCE ASS.	2590	3220	1550 - 3240	Х

Narrative: Acceptable.

#### LABORATORY REAGENT BLANK:

SAMPLEID	SOURCE	TPH:::LEVEL::(MG/KG)	STATUS
Freon Solvent	EPNG Lab	< 10.0	ACCEPTABLE
Reagent Blank	EPNG Lab	< 10.0	ACCEPTABLE

Narrative: Acceptable.

den Jarde.

Date: 21-Jul-95 Extracted: 07/20/95



ATI I.D. 507389

July 26, 1995

El Paso Natural Gas Company P.O. Box 4990 Farmington, NM 87499

Project Name/Number: AZTEC SUMP INVESTIGATION

Attention: John Lambdin

On 07/21/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 8015 Modified analyses were added on 7/21/95 for sample 950798 per Kim Kirby.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill Project Manager

XMALO M

MR:gsm

Enclosure

H. Mitchell Rubenstein, Ph.D.

Laboratory Manager



CLIENT

:EL PASO NATURAL GAS CO.

DATE RECEIVED

:07/21/95

PROJECT #

: (NONE)

PROJECT NAME

: AZTEC SUMP INVESTIGATION

REPORT DATE

:07/28/95

ATI ID: 507389

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
71	950798	NON-AQ	07/20/95



---TOTALS---

MATRIX NON-AQ #SAMPLES

#### ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



#### GAS CHROMATOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED

CLIENT

EL PASO NATURAL GAS CO. ATI I.D.: 507389

PROJECT # : (NONE)

PROJECT NAME : AZTEC SUMP INVESTIGATION

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL FACT
01	950798	NON-AQ	07/20/95	07/21/95	07/23/95	1
PARAME'	TER		UNITS	01		
FUEL H	YDROCARBONS	·	MG/KG	<5		
HYDROCA	ARBON RANGE			-		
HYDROCA	ARBONS QUANTITAT	PED USING		-		
SURROG	ATE:					
O-TERP	HENYL (%)			103		



O-TERPHENYL (%)

#### GAS CHROMATOGRAPHY RESULTS

#### REAGENT BLANK

TEST : EPA 8015 MODIFIED ATI I.D. : 507389 BLANK I.D. : 072195 MATRIX : NON-AQ : EL PASO NATURAL GAS CO. CLIENT DATE EXTRACTED : 07/21/95 : (NONE) PROJECT # DATE ANALYZED : 07/23/95 PROJECT NAME : AZTEC SUMP INVESTIGATION DILUTION FACTOR: 1 PARAMETER UNITS FUEL HYDROCARBONS MG/KG HYDROCARBON RANGE HYDROCARBONS QUANTITATED USING SURROGATE:

1/3/45

128



PROJECT #

#### GAS CHROMATOGRAPHY - QUALITY CONTROL

#### MSMSD

TEST : EPA 8015 MODIFIED

: (NONE)

MSMSD # : 50738610 ATI I.D. : 507389

CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95

PROJECT NAME : AZTEC SUMP INVESTIGATION SAMPLE MATRIX : NON-AQ

REF. I.D. : 50738610 UNITS : MG/KG

SAMPLE CONC SPIKED રેક DUP DUP PARAMETER RESULT SPIKE SAMPLE SPIKE % REC RPI REC FUEL HYDROCARBONS 100 <5 100 100 110 110

H31/95

DATE ANALYZED

: 07/23/95



#### GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX, MTBE (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507389

PROJECT # : (NONE)

PROJECT NAME : AZTEC SUMP INVESTIGATION

SAMPLE ID. # CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTO	
01 950798	NON-AQ	07/20/95	07/21/95	07/22/95	1	
PARAMETER		UNITS	01			
BENZENE		MG/KG	<0.025			
TOLUENE	MG/KG <0.025					
ETHYLBENZENE		MG/KG	<0.025			
TOTAL XYLENES		MG/KG	<0.025			
METHYL-t-BUTYL ETHER		MG/KG	<0.12			
SURROGATE:						

BROMOFLUOROBENZENE (%)

98



#### GAS CHROMATOGRAPHY RESULTS

#### REAGENT BLANK

TEST	: BTEX, MTBE (EPA 80	20)	ATI I.D.	: 507389
BLANK I.D.	: 072195		MATRIX	: NON-AQ
CLIENT	: EL PASO NATURAL GA	s co.	DATE EXTRACTED	: 07/21/95
PROJECT #	: (NONE)		DATE ANALYZED	: 07/21/95
PROJECT NAME	: AZTEC SUMP INVESTI	GATION	DILUTION FACTOR	: 1
PARAMETER		UNITS		
BENZENE		MG/KG	<0.025	
TOLUENE	•	MG/KG	<0.025	
ETHYLBENZENE		MG/KG	<0.025	
TOTAL XYLENES		MG/KG	<0.025	
METHYL-t-BUTYL	ETHER	MG/KG	<0.12	
SURROGATE:				
BROMOFLUOROBEN	ZENE (%)		112	

F17-145



#### GAS CHROMATOGRAPHY - QUALITY CONTROL

#### MSMSD

TEST : BTEX, MTBE (EPA 8020)

MSMSD # : 50738604 ATI I.D. : 507389

CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95

PROJECT # : (NONE) DATE ANALYZED : 07/23/95

PROJECT NAME: AZTEC SUMP INVESTIGATION SAMPLE MATRIX : NON-AQ

FEF. I.D. : 50738604 UNITS : MG/KG

	SAMPLE	CONC	SPIKED	%	DUP	DUP	
ARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD
ENZENE	<0.025	1.0	1.1	110	1.1	110	0
COLUENE	<0.025	1.0	1.2	120	1.2	120	0
ETHYLBENZENE	<0.025	1.0	1.1	110	1.1	110	
TOTAL XYLENES	<0.025	3.0	3.4	113	3.4	113	0
METHYL-t-BUTYL ETHER	<0.12	2.0	1.9	95	2.2	110	15

38 7/3/145

(Sample Result - Duplicate Result)

RPD (Relative Percent Difference) = ------ X 100

Average Result



SEAL DISE : 1



EL PASO NATURAL GAS COMPANY is a major open-access transporter of natural gas serving West Texas, New Mexico, Arlzona, southern Nevada and California. California receives more than half of its gas from El Paso's 17,500-mile pipeline system, which is connected to every major producing basin in the Southwest. El Paso's customer-friendly electronic bulletin board, Passport, offers state-of-the-art programs beneficial to producers, buyers marketers, end-users and other pipelines.

	NAME OF COMPANY	PAGE(5) TRANSMITT	TED Touch	-	DATE 9/7	195.	
70	ADDRESS	-			TELEPHONE NUMBER	·	
	FAX NUMBER (REQUIRED) 334 9024				_		
FROM	NAME OF SENDER LAHICL Mar zuez	NAME OF COMPANY		ş	Потнев		
Œ	ADDRESS 599 2178"	· · · · · · · · · · · · · · · · · · ·			CITY/STATE		
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2709-D Pan American Freeway, NE Albuquerque, NM 87107 

ATI I.D. 508401

September 1, 1995

El Paso Natural Gas P.O. Box 4990 Farmington, NM 87499

Project Name/Number: AZTEC P/L 53827 Deno Sil File

Attention: John Lambdin

On 08/17/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill

Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager

Witchell



CLIENT

: EL PASO NATURAL GAS

DATE RECEIVED

:08/17/95

PROJECT #

:53827

PROJECT NAME

: AZTEC P/L

REPORT DATE

:09/01/95

ATI ID: 508401

ATI #	CLIENT DESCRIPTION	ON MATRIX	DATE COLLECTED
01	950857 Domo	Soil NON-AQ	08/16/95

Pile

---TOTALS---

MATRIX NON-AQ #SAMPLES

1

#### ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



#### TCLP VOLATILE ORGANICS

Modified Method 8240

Sample ID

950857

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: 95-08-169-01

Date Collected: 08/16/95 Date Extracted: 08/22/95

Date Analyzed: 08/24/95

Sample Matrix: TCLP Leachate

Sample Volume: 0.5 mL

EPA HW		CAS		Detection
Number	Analyte	Number	Result (mg/L)	Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	מא	0.1
D028	1,2-Dichloroethane	107-06-2	ND	C.I
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chiorobenzene	108-90-7	ND	0.1

#### SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	98	86 - 118
Toluene-d8	103	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected



#### TCLP SEMIVOLATILE ORGANICS

Method 8270

Sample ID

950857

Aztec Ph Temo Pile 95 Soil Pile 95

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L - 508401 Lab Sample (D.: 95-08-169-01 Date Collected: 08-16-95 Date Extracted: 08-22-95

Date Analyzed: 08-25-95

Sample Matrix: TCLP Leachate

Cleanup: None

Sample Volume: 100 mL Final Volume: 1 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	1.0
D025	p-Cresoi	106-44-5	ND	0.1
D026	Total o.m,p-Cresol		ND	0.1
D027	1.4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,+Dinitrotoluene	121-14-2	ďΖ	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	CIN	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichtorophenol	88-06-2	ND	0.1

#### SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits	
2-Fluorophenol	23	21-110	
Phenol-d5	34	10-110	
Nitrobenzene-d5	60	35-114	
2-Fluorobiphenyl	50	43-116	
2,4,6-Tribromophenol	40	10-123	
Terphenyl-d14	66	33-141	

ND = Not detected

Analytical **Technologies,** Inc.

SEM DY:C. J

#### TCLP SEMIVOLATILE ORGANICS MATRIX SPIKE

Method \$270

Sample ID

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L -- 508401 Lab Sample ID.: 95-08-169-01

950857

Date Collected: 08-16-95 Date Extracted: 08-22-95

Date Analyzed: 08-25-95

Attec PL Domo Soil Me

Sample Matrix: TCLP Leachate

Cleanup: None

Sample Volume: 100 mL Final Volume: 1 mL

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS % Rec	QC Limit Recovery
Pyridine	0.50	ND	0.144	29	D - 104
1.4-Dichtorobenzene	0.50	ND	0.199	<u> 40</u>	D- 99
2-Methylphenol	1.00	שא	0.571	57	D - 134
3 and 4-Methylphenol	2.00	ND	80.1	54	D-112
Hexachloroethane	0.50	ND	0.197	35	D-110
Nitrobenzeno	0.50	ND	0.271	54	10 - 121
Hexachlorobutadiene	0.50	סא	0.172	3∸	D- 98
2.4,6-Trichlorophenol	1.00	ND	0.370	37	D-106
2.4.5-Trichlorophenol	1.00	ND	0.530	53	D-114
2.4-Dinitrotoluene	0.50	ND	0.258	\$2	D-117
Hexachlorobenzene	0.50	סא	0.272	52	1 - 112
Pentachlorophenol	1.00	ND	0.618	62	D - 123

#### SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits	
2-Fluorophenol	35	21-110	
Phenol-d5	46	10-110	
Nitrobenzene-d5	60	35-114	
2-Fluorobiphenyl	53	43-116	
2.4.6-Tribromophenol	45	10-123	
Terphenyl-d14	69	33-141	

ND = Not detected



#### TCLP VOLATILE ORGANICS Modified Method 8240

Sample ID

TCLP Reagent Blank

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Sample Volume: 0.5 mL

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: TCLPRB1 08/22/95

Sample Matrix: TCLP Leachate

Date Collected: N/A Date Extracted: 08/22/95 Date Analyzed: 08/24/95

EPA HW		CAS		Detection
Number	Analyte	Number	Result (mg/L)	Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-56-3	ND	0.1
D028	1.2-Dichloroethane	107-06-2	ИD	0.1
D035	Methyl ethy! ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	CDV	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
DOIS	Benzene	71-43-2	ND	0.1
D039	Tetrachlorcethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

#### SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	91	86 - 118
Toluene-d8	102	.88 - 110
Bromofluorobenzene	98	86 - 115

ND = Not Detected



#### TCLP VOLATILE ORGANICS

Modified Method 8240

Sample ID

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401 Lab Sample ID: WRB1 08/24/95 Reagent Blank

Date Collected: N/A

Date Extracted: N/A
Date Analyzed: 08/24/95

Sample Matrix: Water Sample Volume: 5 mL

EPA HW Number	Anaiyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
				;
(D043	Vinyl chloride	75-01-4	\'D	0.01
D029	1.1-Dichloroethylene	75-35-4	N.D	0.01
D022	Chleroform	67-66-3	ND	0.01
D028	1,2-Dichloroethane	107-06-2	QK )	0.01
D035	Methyl ethyl ketone	78-93-3	DK	0.01
D019	Carbon tetrachloride	56-23-5	ND	0.01
D040	Trichloroethylene	79-01-6	ND	0.01
D018	Benzene	71-43-2	ND	0.01
D039	Tetrachloroothylene	127-18-4	ND	0.01
D021	Chlorobenzene	108-90-7	MD	0.01

#### SURROGATE RECOVERIES

Analyte	% Recovery	1 % Rec Limits	
Dibromofluoromethane	. 89	86 - 118	
Toluene-d8	102	88 - 110	
Bromofluorobenzene	99	86 - 115	

ND = Not Detected

22.05



#### TCLP VOLATILE MATRIX SPIKE RECOVERY

Modified Method 8240

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L - 508401

Lab Sample ID: 95-08-126-03

Sample Matrix: TCLP Leachate

Sample Volume: 0.5 mL

Sample ID

In House

Date Collected: 08/15/95

Date Extracted: 08/22/95

Date Analyzed: 08/24/95

	Spike	Sample	MS	M5	QC
	Added	Concentration	Concentration	%	Límit
Analyte	(mg/L)	(mg/L)	(យភិ(្រ)	Rec	Recovery
Vinvl chioride	0.500	ND	0.330	66	49 - 132
1,1-Dichloroethylene	0.500	ND	0.466	93	65 - 126
Chloroform	0.500	ND	0.484	97	68 - 123
1,2-Dichloroethane	0.500	ND	0.497	99	61 - 122
Methyl ethyl ketone	0.500	ŲИ	0.5-14	109	26 - 136
Carbon tetraphloride	0.500	ND	0.459	92	80 - 113
Trichloroethylene	0.500	ND	0.477	95	81 - 108
Benzene	0.500	ND	0.493	99	60 - 129
Tetrachioroethylene	0.500	ND	0.469	94	75 - 116
Chiorobenzene	0.500	ND	0.488	98	81 - 107

#### **SURROGATE RECOVERIES**

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	103	86 - 113
Toluene-d8	102	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

J8 - 2-95



#### TCLP SEMIVOLATILE ORGANICS

Method 8270

Sample ID

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L - 508401 Lab Sample ID.: RB1 08-22-95

Sample Matrix: TCLP Leachate

Cleanup: None

TCLP Blank

Date Collected: N/A

Date Extracted: 08-22-95 Date Analyzed: 08-25-95

Sample Volume: 100 mL

Final Volume: I mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
		0.7.10	3/13	
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o.m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2.4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ロス	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87.86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2.4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichtorophenol	88-06-2	ND	0.1

#### SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	76	21-110
Phenol-d5	87	10-110
Nitrobenzene-d5	85	35-114
2-Fluorobiphenyl	70	43-116
2,4,6-Tribromophenol	79	10-123
Terphenyl-d14	96	33-141

ND = Not detected

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SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

Analytical **Technologies**, Inc., Albuquerque, NM San Diego = Phoenix = Seattle = Pensacola = Ft. Collins = Portland = Albuquerque

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ATI LAB I.D. = 50840	

PROJECT MAN	AGER: JOHN	I LAMI	Mill												A	NAL	Ϋ́S	S F	EQ	ŰĔŠ	T	7.0							
COMPANY: ADDRESS:	EL 개선 보	Aniral Box 49	96					5/8020)					eg. & Unneg.				(625/8270)												
PHONE: FAX:	50	5-599 5-599	-2144			418.1)		BE (MOD 801		:	(601/8010)	02/8020)	3.1), 502.2 R		=		unds GC/MS	(624/8240)	O/8310)	8270		- Arizona	rds - Arizona	· Federal	rds - Federal		1	SECUE	211)
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Analytical <b>Technologies,</b> Inc.	Albuq
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx
1 . RCRA Exempt: Non-Exempt: D. Foust 8/1/95  Verbal Approval Received: Yes $Q_{XX}$ No C  (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter
2. Destination	5. Generator
Tierra Crouch Mesa Landfarm	Basin Disposal
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington, N.M. 87401	Basin Disposal
7. Originating Location of Material (Street Address or ULSTR)	8. State
# 6 County Road 5046 Bloomfield, N.M. 87413	New Mexico
# 6 County Road 5046 Bloomfield, N.M. 87413	New Mexico

XXXA. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; or certificate per job.

☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.

O C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transpo

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Solids produced as a result of disposal operations



	·
Estimated Volume 140 yd Known Volume (to be entered by the operator at the e	and of the hauli:
SIGNATURETITLE CEO	DATE <sup>8</sup> /1/95
TYPE OR PRINT NAME Phillip C. Nobis	ELEPHONE NO. 325-0924
(This space for State Use) APPROVED BY Denry S. Found TITLE Geologis	5T DATE 8/7/95
APPROVED By Fine Busch TITLE "	DATE



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
Basin Disposal Section 3 Township 29N, Range 11 West
Unit E
This material originated:
_XX In The State of New Mexico
From the State of Letter from the Regulatory Agency having jurisdiction therefore is attached.
Source: Solids from disposal operations
Destination: Tierra Environmental Corporation Crouch Mesa Landfarm Facility SE 1/4, Section 2, Township 29 North, Range 12 West NMPM San Juan County, New Mexico
I COLLIN HART
representative for BASIN DISPOSAL
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.
Signature War V Hart
Title Minaght
Address P.O. Box 100 AZTEC, NM 87410
Date

	· · · · · · · · · · · · · · · · · · ·	12 ngov Huderson
EQUEST FOR APPROV	PT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: ■ Non-Exempt:  Verbal Approval Received: Yes  (Submitting this form for oilfield exempt waste is optional)	□ No □ DENNY FOUST	4. Generator SMITH ENERGY CORP. CLEANUBINGSION ALLIED PRODUCTS CORP.
2. Destination	•	5. Name of Originating Site
Tierra Environmental Corp. Cro	uch Mesa Landfarm	SMITH ENERGY YARD
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410		6. Name of Transporter CIMMERON OIL FLD. SERVICE
7. Location of Material (Street Address of SAME AS ABOVE CELL 10	or ULSTR)	8. State NEW MEXICO
9. Check One		
A. All requests for approval to accept oilfield except certificate per job.	xempt wastes will be accompanied by a ce	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfie Generator and the New Mexico Environmen		
C. All requests for approval to accept non-exer the material is non-hazardous and the Gene will be approved.	mpt wastes must be accomanied by neces	ssary chemical analyses to prove
All transporters must certify that the v	vastes delivered are only t	hose consigned for transport.
Projected Date(s) for transportation:		
BRIEF DESCRIPTION OF THE MATERIAL:	•	
ACCUMULATED SOILS FROM VEHIC	CLE WASHDOWN of OILFI	ELD VEHICLES.
	company and appropriate for the second distribution 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	PECETVED AUG 3 0 1991
Estimated Volume 20 yd 3 Kno	DEGETVET  SEP - 6 1995  wn Volume (to be entered by the operator	OIL GON, DIV.  at end of haul):  yd3
hereby certify that the information above is true and complete to the best of my knowle	edge and belief III COM DIV	7
	TLE PRESIDENT	O DATE 08/30/95
TYPE OR PRINT NAME Phillip C. Nobis	TELEPH	IONE NO. (505) 325-0924
7 ( 0 )	TLE Geologi'ST	
	TLE <u>PECLOGIST</u>	DATE 9-1-95 markatalafter orisinal
CONDITIONS OF APPROVAL, IF ANY: 5F 8/30/9	ntermational al	was our of the house of
yard u	Margare Lorde Thy	we ferin

REQUEST FOR APPROVA ACCER	PT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: Verbal Approval Received: Yes  (Submitting this form for oilfield exempt waste is optional)	No □ ENNY FOUST	4. Generator SMITH ENERGY CORP. CLEAN UP BY: ALLIED PRODUCTS CORP.
2. Destination Tierra Environmental Corp. Crouc	h Mesa Landfarm	5. Name of Originating Site SMITH ENERGY YARD
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410		6. Name of Transporter CIMMERON OIL FLD. SERVICE
7. Location of Material (Street Address or USAME AS ABOVE CELL 10	JLSTR)	8. State NEW MEXICO
9. Check One		
<ul> <li>A. All requests for approval to accept oilfield exem certificate per job.</li> </ul>	npt wastes will be accompanied by a c	ertificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield a Generator and the New Mexico Environmental I		
<ul> <li>C. All requests for approval to accept non-exempt the material is non-hazardous and the Generate will be approved.</li> </ul>	wastes must be accomanied by necestric control of origin. No waste class	ssary chemical analyses to prove assified as hazardous by listing or testing
All transporters must certify that the was Projected Date(s) for transportation:	stes delivered are only	nose consigned for transport.
BRIEF DESCRIPTION OF THE MATERIAL:		
ACCUMULATED SOILS FROM VEHICL	E WASHDOWN of OILF	DECENDED  AUG 3 0 1995  OUL GON. DUV.
Estimated Volume 20 yd 3 Known Nereby certify that the information above is true and complete to the best of myknowledge	Volume (to be entered by the operator and belief.	at end of haul):yd <sup>3</sup>
SIGNATURE MANY CASE TITLE	PRESIDENT	DATE <u>08/30/95</u>
TYPE OR PRINT NAME Phillip C. Nobis	TELEPH	IONE NO. (505) 325-0924
APPROVED BY Dought LE	- Geologist	DATE 8/30/95
APPROVED BYTITLE	:	DATE
CONDITIONS OF APPROVAL, IF ANY:		to 1 pter ovicinal

Santa Fe 8/30/95

material accumulated after original cleaning by Smith International and abandoning yard-western purchase



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
PRIOR SMITH ENERGY VARD
2198 BLOOMFIELD HIGHWAY - FARMINGTON - NM
SE/4 SW/4 SEC 14 TZ9N R13W
3679 SW/4 SEC 19 129N NISW
1 1 1 1 1 1 1
Source: APPROXIMATELY 20 cubic Yard Stockpile Of Soil Accumulated from WASHDOWN OF
Of Soil Accumulated from WASHDOWN OF
OILFIELD SERVICE VEHICLES
•
I RAPPY A LURIAND (RPAY THE Transportative
I BARRY A. WIELAND (BRAX, INC.) representative for AllIED PRODUCTS CORPORATION
for HITED PRODUCTS CORPORATION
do hereby certify that the waste described above is non-exempt, according to the
Resource Conservation and Recovery Act (RCRA), but has been identified as non-
hazardous by characteristic analysis or by product identification.
hazardous by characteristic analysis of by product identification.
The appropriate documentation is hereto attached.
Check appropriate line(s)
MSDS Information
RCRA TCLP Analysis
RERA Metals
Corrosivity, Ignitability, Reactivity
Letter from Out of State Regulatory Agency
I further certify that there has been no change in the processes employed
or chemicals stored / used at the facility generating the waste
since
Since
Signature Conff. Ware
Title RESIDENT
Date 30 Azg 95
Date



## TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

### CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Originating
Site: (Include Name, Section, Township, Range, 1/4, etc.)
PRIOR SMITH ENERGY VARD
2198 BLOOMFIELD HIGHWAY - FARMINGTON - NM
SE/4 SW/4 SEC 14 T29N R13W
Source: Approximateur 8 Barrels of Sludge Material STORED IN A 15 Barrel STEEL DRUM.
I BARRY A. WIELAND (BRAX, INC.) representative for Allies PRODUCTS CORPORATION
do hereby certify that the waste described above is non-exempt, according to the Resource Conservation and Recovery Act (RCRA), but has been identified as non-hazardous by characteristic analysis or by product identification.
The appropriate documentation is hereto attached.
Check appropriate line(s)
MSDS Information
RCRA TCLP Analysis
RCRA Metals
Corrosivity, Ignitability, Reactivity
Letter from Out of State Regulatory Agency
I further certify that there has been no change in the processes employed
or chemicals stored / used at the facility generating the waste
since
Signature A. Wiele
Title TRESIDENT
Date 30 Acg 95



August 14, 1995

Mr. Jeff Blagg Blagg Engineering, Inc. 217 N 1st Bloomfield, New Mexico 87413

Dear Jeff,

Enclosed are the analytical results for the samples collected from a steel tank and a stock pile from a location denoted as BRAX-Smith Energy. One solid sample and one soil sample were collected by Blagg Engineering personnel from a Steel Tank and a Stockpile on August 3, 1995, and delivered to the Envirotech laboratory on August 3, 1995 for Hazardous Waste Characterization analysis.

The samples were documented on Envirotech Chain of Custody No. 4318 and assigned Laboratory Nos. 8767 (Steel Tank) and 8768 (Stockpile) for tracking purposes.

Results of the analysis indicate that the material from the Steel Tank and the material from the Stockpile are not characteristic hazardous wastes as defined by 40 CFR, Section 261, Subpart C. These materials would therefore be acceptable for disposal at the Envirotech Soil Remediation Facility (ESRF) located at Hilltop, New Mexico. Should you require disposal of these materials at the ESRF, please contact Mr. Rob Young or Mr. Harlan Brown at Envirotech for documentation requirements and price information.

Should you have any questions or require additional information, please do not hesitate to contact the office at (505) 632-0615, or myself directly at (708) 942-0804. It has been our pleasure serving you and we look forward to doing business with you again soon.

Respectfully submitted, Envirotech, Inc.

Stacy W. Sendler

enc.

04034-01/tclp895.ltr



### SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client: Blagg Engineering, Inc. Project #: 04034-01 Sample ID: Steel Tank Date Reported: 08-08-95 Lab ID#: 8767 Date Sampled: 08-03-95 Sample Matrix: Date Received: Solid 08-03-95 Preservative: Cool Date Analyzed: 08-04-95 Condition: Chain of Custody: Cool & Intact 4318

Parameter

Result

**IGNITABILITY:** 

Did not ignite upon direct contact with flame.

CORROSIVITY:

pH of 5.17

**REACTIVITY:** 

Did not react violently with water, strong base

(10N Sodium Hydroxide), or strong acid

(6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter

**Hazardous Waste Criterion** 

**IGNITABILITY**:

Sample Ignition upon direct contact with flame indicates

hazardous waste status.

CORROSIVITY:

pH < 2 or pH > 12.5 indicates hazardous waste status.

REACTIVITY:

Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrocholoric Acid)

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 state of th

indicates hazardous waste status.

Reference:

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

Comments:

BRAX, Smith Energy.

Analyst

Review

min ton NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

Sindles by Pony



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

			•
Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-07-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0223	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery	
	Trifluorotoluene	97%	
	Bromofluorobenzene	102%	

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:

Brax, Smith Energy.

Alexa L. Ogémen

Review Sendler by Long



#### EPA METHOD 8040 PHENOLS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-09-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter É	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	100%
	2,4,6-Tribromophenol	98%

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. 198

Note:

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

Comments:

Brax, Smith Energy.

Deu L. Cojenen

Stag Sondler by Pony



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

			· · · · · · · · · · · · · · · · · · ·
Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-09-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-08-95
Condition:	Cool and Intact	Analysis Requested:	TCLP
	I and 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 second second		

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	104%
	•	

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:

Brax, Smith Energy.

Analyst Jewan

Stag Sendler by Rong Review



# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Diana Casima asing Inc	Decident #4	04024-01
Blagg Engineering, Inc.	Project #:	04034-01
Steel Tank	•	08-11-95
8767	Date Sampled:	08-03-95
4318	Date Received:	08-03-95
Solid	Date Analyzed:	08-10-95
Cool	Date Extracted:	08-03-95
Cool & Intact	Analysis Needed:	TCLP metals
	Det.	Regulatory
Concentration	Limit	Level
(mg/L)	(mg/L)	(mg/L)
ND	0.001	5.00
0.10	0.01	100
ND	0.001	1.00
ND	0.001	5.00
	0.001	5.00
• • • •		0.200
ND	0.001	1.00
1112		
	Steel Tank 8767 4318 Solid Cool Cool & Intact  Concentration (mg/L)  ND 0.10 ND ND ND ND ND ND ND ND	Steel Tank   Date Reported:

ND - Parameter not detected at the stated detection limit.

References:

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

July 1992.

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

Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by

GFAA and FLAA, SW-846, USEPA.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, July 1, 1992.

Comments:

Brax, Smith Energy.

Analyst Gierra

Review Sendler by Ray



#### SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-08-95
Lab ID#:	8768	Date Sampled:	08-03-95
Sample Matrix:	Soil	Date Received:	08-03-95
Preservative:	Cool	Date Analyzed:	08-04-95
Condition:	Cool & Intact	Chain of Custody:	4318

**Parameter** Result

**IGNITABILITY:** Did not ignite upon direct contact with flame.

**CORROSIVITY:** pH of 7.87

REACTIVITY: Did not react violently with water, strong base

(10N Sodium Hydroxide), or strong acid

(6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

**Parameter** Hazardous Waste Criterion

**IGNITABILITY:** Sample Ignition upon direct contact with flame indicates

hazardous waste status.

CORROSIVITY: pH < 2 or pH > 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium

Hydroxide), or strong acid (6N Hydrocholoric Acid)

indicates hazardous waste status.

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

Comments: BRAX, Smith Energy.

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

			•
Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-07-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform `	ND	0.0002	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	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery

Trifluorotoluene 98% Bromofluorobenzene 92%

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:

Brax, Smith Energy.

Seu L Grenau

Stacy Seveller by Rong.
Review



#### EPA METHOD 8040 PHENOLS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-09-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-09-95
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	100%
	2,4,6-Tribromophenol	96%

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. 198

Note:

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

Comments:

Brax, Smith Energy.

Alex. L. Cycles

Review Review



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

			•
Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-09-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-08-95
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

103%

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:

Brax, Smith Energy.

Analyst Leven

Review Stag Seadler by Rong

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-11-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Analyzed:	08-10-95
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals
		Det.	Regulatory
	Concentration	Limit	Level
Parameter.	(mg/L)	(mg/L)	(mg/L)
Arsenic	ND	0.001	5.00
Barium	2.48	0.01	100
Cadmium	0.634	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.024	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0
į			

ND - Parameter not detected at the stated detection limit.

References:

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

July 1992.

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

Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by

GFAA and FLAA, SW-846, USEPA.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, July 1, 1992.

Comments:

Brax, Smith Energy.

Analyst La Course

Stacy Sendler by Rong



## QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



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

	·		
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95
ł			

Parameter .	Sample Result (mg/L)	Result (mg/L)	Percent Difference
Arsenic	0.006	0.006	. 0.0%
Barium	4.61	4.70	1.9%
Cadmium	0.084	0.082	2.4%
Chromium	ND	ND	0.0%
Lead	0.035	0.036	2.8%
Mercury	ND	ND	0.0%
Selenium	0.005	0.005	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

0.4.000 4 ==============================	N	Acrimum Difference
QA/QC Acceptance Criteria: Pa	rameter M	laximum Difference
Tarria de rice estario e entrena.		

**Trace Metals** 

30 %

References:

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

July 1992.

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

Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by

GFAA and FLAA, SW-846, USEPA.

Comments:

QA/QC for samples 8767 - 8769.

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Stacy Sendler by Rong Review

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter,	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.006	0.106	100%
Barium	1.00	4.61	5.51	98%
Cadmium	0.100	0.084	0.184	100%
Chromium	0.100	ND	0.099	99%
Lead	0.100	0.035	0.135	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	0.005	0.105	100%
Silver	1.0	ND	1.0	100%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptan	ce Criteria:	Parameter	Acceptance Range %	

**TCLP Metals** 

80 - 120 %

References:

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

July 1992.

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

Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by

GFAA and FLAA, SW-846, USEPA.

Comments:

**QA/QC** for samples 8767 - 8769.

Dem L. Cylessen

Stacy Sendles by Rong Review



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



#### EPA METHOD 8040 PHENOLS

#### Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-95
Laboratory Number:	08-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-09-95
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
	2-fluorophenol	100 %
	2,4,6-tribromophenol	94 %

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. 198

Note:

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

Comments:

QA/QC for samples 8767 - 8769.

Dem J. Gjener Analyst

Stacy Sendletry hory
Review



### EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-09-95
Laboratory Number:	08-03-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		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	105%

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. 198

Note:

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

Comments:

**QA/QC for samples 8767 - 8769.** 

Analyst L. Cheur

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# EPA METHOD 8040 PHENOLS Quality Assurance Report Matrix Duplicate

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-09-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		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.

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 8767 - 8769.

Dem L. Gieren

Stacy Sendles by Pony Review



# QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION



### 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:	08-09-95
Laboratory Number:	08-08-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:	08-08-95
		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	103%
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 19		n, SW-846, USEPA, July 1992.	
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C	section 261.24, July 1, 1992.

Comments:

QA/QC for samples 8767 - 8769.

plem L. afecca.

Review Sendler by Kong



### 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:	08-09-95
Laboratory Number:	08-03-TBN MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool and Intact	Date Analyzed:	08-08-95
(		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-fluorobinhenyl	102%

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 8767 - 8769.

Analyst P. Gener

Stacy Sendler by Rong 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:	08-08-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	08-03-95
Condition:	N/A	Date Analyzed:	08-08-95
		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 8767 - 8769.

Alexa J. Cyére

Stacy Sendler by formy



## 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:	08-07-95
Laboratory Number:	08-07-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform `	ND	0.0002	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	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter Percent Recovery	
	<b>7</b> 10 . 4.1	4040/

Trifluorotoluene Bromofluorobenzene 101% 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:

QA/QC for samples 8767 - 8769.

Alexen L. Cylinen

Stag Sendler by Pomy Review



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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-07-95
Laboratory Number:	08-03-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95
		Analysis Requested:	TCLP

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter .	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform `	ND	0.0002	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	0.0001	0.5
Tetrachioroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery	
	Trifluorotoluene	103%	
	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 8767 - 8769.

Analyst L. Openen

Review Stacy Sendler by Romy



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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-07-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95

		Duplicate		
	Sample	Sample	Detection	
	Result	Result	Limits	Percent
Parameter .	(mg/L)	(mg/L)	(mg/L)	Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	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	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0009	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0005	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 8767 - 8769.

Allen & General

tacy Sendler by kony



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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-07-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95

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	0.020	0.0199	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0203	0.0002	101%	43-143
2-Butanone (MEK)	ND	0.020	0.0198	0.0001	93%	47-132
Chloroform	ND	0.020	0.0198	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0203	0.0001	102%	43-143
Benzene	ND	0.020	0.0205	0.0001	102%	39-150
1,2-Dichloroethane	ND	0.020	0.0205	0.0001	102%	51-147
Trichloroethene	ND	0.020	0.0202	0.0001	98%	35-146
Tetrachloroethene	ND	0.020	0.0208	0.0009	102%	26-162
Chlorobenzene	ND	0.020	0.0210	0.0001	105%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0198	0.0005	97%	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 8767 - 8769.

Analyst Lacueur

Stag Sendles by Rong

rmin ton NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 186

**CHAIN OF CUSTODY RECORD** 

				CHAIN	Ur CUS	ח זעטו	ECUI	ער				_	 	
Client/Project Name  BLAGG ENGIN	BRAX EERING,	[nc ·	Project Location	ENERGY					ANA	LYSIS/I	PARAME	TERS		
Sampler: (Signature)	legg		Chain of Custody Ta	pe No.	01	F. 878		F. 89					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix	No. of Containers	727	No PER						
STEEL TANK	8-3-95	· 0820	8767	Solic	J	1	X							
STOCK PLE	8-3-95		8748	Soil			X					<u> </u>		
		····												
							<u> </u>					ļ		
							-							
Refinquished by: (Signature)	Slegg			Date 8-3-95	Time 0853	Received by:	Signature			71,			Date 8-3-91	Time
Retinquished by: (Signature)						Received by: (	Signature	)		T		<u> </u>		
Relinquished by: (Signature)						Received by: (	Signature	))						`
	· · · · · · · · · · · · · · · · · · ·			<u> </u>	<u> </u>					<del></del>			 	

#### Envirotech Inc.

5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615

i was and a g	$\cdot$
REQUEST FOR APPROVAL ACCEPT SOLID WASTE	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt:   Non-Exempt: □	4. Generator
Verbal Approval Received: Yes ☑ No ☐ (Submitting this form for oilfield exempt waste is optional)  DENNY FOUST	EL PASO NATURAL GAS
2. Destination	5. Name of Originating Site
Tierra Crouch Mesa Landfarm	See Attached List
Address of Facility Operator	6. Name of Transporter
907 West Apache, Farmington, New Mexico 87401	Doug Foutz Construction
7. Location of Material (Street Address or ULSTR)	8. State
See Attached List	New Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a contribute per job.	certificate of waste from the Generator; one
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied b	y a certification of waste status from the
Generator and the New Mexico Environmental Dept or other appropriate government  C. All requests for approval to accept non-exempt wastes must be accomanied by necessary.	essary chemical analyses to prove
the material is non-hazardous and the Generator's certification of origin. No waste cl will be approved.  All transporters must certify that the wastes delivered are only	
Projected Date(s) for transportation:	mose consigned for transport.
BRIEF DESCRIPTION OF THE MATERIAL:	
Various dahydrator and drin nits at alcours sites algood during	
Various dehydrator and drip pits at closure sites closed during  July 1995	
PECEIVEN	
UN AUG - 9 1995 U	
OIL CON. DIV.	
DIST. 3	
Estimated Volume 835 yd 3 Krłown-Volume (to be-entered by the operator	r at end of haul):
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE PRESIDENT PRESIDENT	DATE
	HONE NO(505) 325-0924
APPROVED BY Deny Dr Dut TITLE Geolog 15T	DATE 8/09/95
APPROVED BY Eine Busch TITLE 11	DATE
conditions of approval, if any: Weed EPNQ 1 is -no	an Di

Listing

n: TIERRA ENVIRNMENTAL Corp. CROUCH MESA LANDFARM Fax: (506) 334-9024 Voice: (500) 354-9024

#### EL PASO JULY 1995

DATE	<b>LOCATION</b>	<b>METER</b>	CONT	FILL	<u>CELL</u>
7/6/95	HUGHES B #2A	90006	40.00	80.00	9
7/6/95	HUGHES #3	90797	0.00	10.00	
7/6/95	BOWLING HARDY #1	75720	0.00	10.00	
7/7/95	MAE GAIL COM #1	73079	30.00	30.00	9
7/10/95	HANLEY B #1mv	90378	230.00	230.00	9
7/14/95	STATE COM A #1A	89725	0.00	20.00	
7/17/95	CANYON LARGO UNIT 261	89137	0.00	30.00	
7/18/95	ONA McGEE #1	73003	30.00	40.00	9
7/18/95	SIMMONS E 3R	93892	0.00	10.00	
7/25/95	SAN JUAN 29-5 #31-29	72579	0.00	50.00	
7/25/95	SAN JUAN 29-5 #77	89655	0.00	20.00	
7/26/95	SAN JUAN 29-6 #61A	89571	140.00	150.00	9
7/26/95	SAN JUAN 29-6 #73A	89573	0.00	30.00	•
7/27/95	SAN JUAN 29-6 #58A	89577	165.00	185.00	9
7/31/95	SAN JUAN 29-6 #65A	89572	180.00	200.00	9
7/31/95	LAT A-30 LINE DRIP	NA005	20.00	20.00	9
7/31/95	HUERFANITO #10	71095	0.00	10.00	,
7/31/95	TRIBAL 390 #2	87148	0.00	10.00	

SUM: SUM: 835.00 1,135.00

#### EL PASO NG PIT PROJECT JULY 1995

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TDI: #	CONT.	TELL I	Бътт
DATE	1/NUM	METER	LOCATION NAME	CARRIER	IKK#	CONT.	FILL	CELI
7/6/95	9622	90006	HUGHES B #2A	FOUTZ	934	10.00	20.00	9
7/6/95	9624	90006	HUGHES B #2A	FOUTZ	835	10.00	20.00	9
7/6/95	9625	90006	HUGHES B #2A	FOUTZ	132	10.00	20.00	9
7/6/95	9626	90006	HUGHES B #2A	FOUTZ	432	10.00	20.00	9
7/6/95	9627	90797	HUGHES #3	FOUTZ	835	0.00	10.00	
7/6/95	9628	90378	HANLEY B #1mv	FOUTZ	933	20.00	20.00	9
7/6/95	9629	75720	BOWLING HARDY #1	FOUTZ	132	0.00	10.00	
7/6/95	9630	90378	HANLEY B #1mv	FOUTZ	835	20.00	10.00	9
7/6/95	9631	90378	HANLEY B #1mv	FOUTZ	132	20.00	10.00	9
						100.00	140.00	
7/7/95	9632	90378	HANLEY B #1mv	FOUTZ	432	40.00	50.00	9
7/7/95	9633	73079	MAE GAIL COM #1	FOUTZ	933	10.00	10.00	9
7/7/95	9634	90378	HANLEY B #1mv	FOUTZ	409	30.00	30.00	9
7/7/95	9635	90378	HANLEY B #1mv	FOUTZ	933	30.00	40.00	9
7/7/95	9636	73079	MAE GAIL COM #1	FOUTZ	432	20.00	20.00	9
						130.00	150.00	
7/10/95	9637	90378	HANLEY B #1mv	FOUTZ	934	30.00	30.00	9
7/10/95	9638	90378	HANLEY B #1mv	FOUTZ	132	20.00	20.00	9
7/10/95	9639	90378	HANLEY B #1mv	FOUTZ	933	20.00 20.00	20.00	
1110/33	7037	70376	TEALET D#IMV	FOOIZ	933	70.00	70.00	,
						70.00	70.00	
7/14/95	9640	89725	STATE COM A #1A	FOUTZ	933	0.00	10.00	
7/14/95	9641	89725	STATE COM A #1A	FOUTZ	432	0.00	10.00	
						0.00	20.00	
7/17/95	9642	89137	CANYON LARGO UNIT 261	FOUTZ	131	0.00	10.00	
7/17/95	9643	89137	CANYON LARGO UNIT 261	FOUTZ	831	0.00	10.00	
7/17/95	9644	89137	CANYON LARGO UNIT 261	FOUTZ	432	<u>0.00</u>	<u>10.00</u>	
						0.00	30.00	
7/18/95	9645	73003	ONA McGEE #1	FOUTZ	934	20.00	30.00	9
7/18/95	96 <del>4</del> 6	73003	ONA McGEE #1	FOUTZ	131	10.00	10.00	9
7/18/95	9647	93892	SIMMONS E 3R	FOUTZ	934	0.00	10.00	
77.207.727	20	,,,,,,				30.00	50.00	
7/25/95	9648	72579	SAN JUAN 29-5 #31-29	FOUTZ	934	0.00	10.00	
7/25/95	9649	72579	SAN JUAN 29-5 #31-29	FOUTZ	132	0.00	20.00	
7/25/95	9651	72579	SAN JUAN 29-5 #31-29	FOUTZ	131	0.00	20.00	
7/25/95	9652	89655	SAN JUAN 29-5 #77	FOUTZ	835	0.00	20.00	
7/25/95	9653	89571	SAN JUAN 29-6 #61A	FOUTZ	432	10.00	10.00	9
7/25/95	9654	89571	SAN JUAN 29-6 #61A	FOUTZ	132	20.00	10.00	9
7/25/95	9655	89571	SAN JUAN 29-6 #61A	FOUTZ	131	20.00	10.00	9
7/25/95	9656	89571	SAN JUAN 29-6 #61A.	FOUTZ	835	<u>20.00</u>	10.00	9
	•					70.00	110.00	
7/26/95	9658	89571	SAN JUAN 29-6 #61A	FOUTZ	131	20.00	30.00	9
7/26/95 7/26/95	9659	89571 89571	SAN JUAN 29-6 #61A	FOUTZ	835	20.00	30.00	9
// <b>4</b> 0/73	30 <b>33</b>	023/1	SAIN SUAIN 29-0 #01A	FOUIZ	ررن	4 <b>0.00</b>	30.00	J

#### EL PASO NG PIT PROJECT JULY 1995

7/26/95	9660	89571	SAN JUAN 29-6 #61A	FOUTZ	933	20.00	30.00	9
7/26/95	9661	89571	SAN JUAN 29-6 #61A	FOUTZ	409	10.00	20.00	9
7/26/95	9662	89573	SAN JUAN 29-6 #73A	FOUTZ	409	0.00	10.00	
7/26/95	9663	89573	SAN JUAN 29-6 #73A	FOUTZ	835	0.00	10.00	
7/26/95	9664	89573	SAN JUAN 29-6 #73A	FOUTZ	131	0.00	10.00	
						70.00	140.00	
7/27/95	9665	89577	SAN JUAN 29-6 #58A	FOUTZ	835	30.00	40.00	9
7/27/95	9666	89577	SAN JUAN 29-6 #58A	FOUTZ	131	30.00	30.00	9
7/27/95	9667	89577	SAN JUAN 29-6 #58A	FOUTZ	831	30.00	40.00	9
7/27/95	9668	89577	SAN JUAN 29-6 #58A	FOUTZ	933	30.00	30.00	9
7/27/95	9669	89577	SAN JUAN 29-6 #58A	FOUTZ	72	30.00	30.00	9
7/27/95	9670	89577	SAN JUAN 29-6 #58A	FOUTZ	531	<u>15.00</u>	<u>15.00</u>	9
						165.00	185.00	
710010F	9672	89572	CARL THAN 100 CHCEA	FOUTZ	933	10.00	10.00	9
7/28/95	9672 9673	89572 89572	SAN JUAN 29-6 #65A	FOUTZ	132	30.00	30.00	9
7/28/95	9673 9674	89572 89572	SAN JUAN 29-6 #65A	FOUTZ	831	30.00	30.00	9
7/28/95			SAN JUAN 29-6 #65A	FOUTZ	835			9
7/28/95	9675	89572	SAN JUAN 29-6 #65A			30.00	30.00	9
7/28/95	9676	89572	SAN JUAN 29-6 #65A	FOUTZ FOUTZ	432	30.00	30.00	9
7/28/95	9677	89572	SAN JUAN 29-6 #65A		131	30.00	30.00	9
7/28/95	9678	89572	SAN JUAN 29-6 #65A	FOUTZ	72	10.00	10.00	
7/28/95	9679	89572	SAN JUAN 29-6 #65A	FOUTZ	934	10.00	10.00	9
						180.00	180.00	
7/31/95	9681	NA005	LAT A-30 LINE DRIP	FOUTZ	131	10.00	10.00	9
7/31/95	9682	NA005	LAT A-30 LINE DRIP	FOUTZ	432	10.00	10.00	9
7/31/95	9683	89572	SAN JUAN 29-6 #65A	FOUTZ	132	0.00	10.00	
7/31/95	9684	89572	SAN JUAN 29-6 #65A	FOUTZ	933	0.00	10.00	
7/31/95	9685	71095	<b>HUERFANITO #10</b>	FOUTZ	933	0.00	10.00	
7/31/95	9686	87148	TRIBAL 390 #2	FOUTZ	432	0.00	10.00	
						20.00	60.00	
				TOTALS:		835.00	1,135.00	

From: TIERRA ENVIRNMENTAL Corp. CROUCH MESA LATERING

Fax: (505) 334-8024 Voice: (505) 334-8894 To: DENNY FOUST at Page 1 of 1 Friday, August 25, 1995 3:13:13 PM . 8-25-95 ; 8:01 AM :EL PASO NATURAL \_AS -CROUCH MESA ;# 2/ 2

Tiorra

REVISED

8/25/95

CLOSED	METER	METER2	LOCATION	STRL
7/6/95	80006	x	Hughes B #2A	19-29-8-0
7/7/85	73079		Mae Gall Com #1	24-28-11-E
7/10/95	90378		Hanley B #1	18-29-10-
7/18/95	73003	<u> </u>	One McGee #1	4-30-11-P
7/28/95	A9571		San Junn 29-5 #61A	19-29-8-C
7/27/85	806//		San Juan 29-6 #68A	28-29-6-0
7/28/95	89572		8an Juan 29-6 #65A	19-29-6-J
7/31/95	N/A		Lat A-30 Una Drip	3-29-9-K

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ■ Non-Exempt: □  Verbal Approval Received: Yes ■ No □  (Submitting this form for oilfield exempt waste is optional)  DENNY FOUST	4. Generator Gas Company of New Mexico
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site  Satainia #2
3. Address of Facility Operator 907 West Apache, Farmington, New Mexico 87401	6. Name of Transporter  Diamond D Const.
7. Location of Material (Street Address or ULSTR) 420 Cr. 3100 Aztec, NM Cell 10	8. State New Mexico
Gheck One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environmental Dept or other appropriate governments.  C. All requests for approval to accept non-exempt wastes must be accomanied by new the material is non-hazardous and the Generator's certification of origin. No waste will be approved.  All transporters must certify that the wastes delivered are only Projected Date(s) for transportation:  August 3, 1995	t by a certification of waste status from the ent agency; two certificates per job. ecessary chemical analyses to prove classified as hazardous by listing or testing
BRIEF DESCRIPTION OF THE MATERIAL:	
Dehydrator spillagę	DECEIVED  AUG - 7 1995 D  OUL GON. DIV. DIST. 3
Estimated Volume 20 to 30 yd 3 Known Volume (to be entered by the opera eby certify that the information above is true and complete to the best of my knowledge and belief.	itor at end of haul):70 yd <sup>3</sup>
IGNATURE	DATE <u>8/04/95</u>
	PHONE NO. <u>(505) 325-0924</u>
PPROVED BY Derny 2. Fruit TITLE Geolog 15t	DATE 8/7/95
PPROVED BY June Durch TITLE 4	DATE
NDITIONS OF APPROVAL, IF ANY:	





CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87401 (505) 325-0924

### Tierra Environmental Corporation

### CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Site: (Include Name, Section, Township, Range, 1/4, etc.)
SATEGNA HZ Section 21 Fee TOWNShip 29N
SOUTHLAND ROUTHLY-KANGE 1/W
This material originated:
In The State of New Mexico
From the State of Letter from the Regulatory
Agency having jurisdiction therefore is attached.
Source: DEHY SINFOR VEHT LINE
Destination: Tierra Environmental Corporation
Crouch Mesa Landfarm Facility
SE 1/4, Section 2, Township 29 North, Range 12 West NMPM
San Juan County, New Mexico
representative for PNM - GAS SERVICES
representative for DNM - (JAS SERVICES
the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the 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
do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is
considered non-hazardous oilfield waste. I further certify that to the best of my
knowledge, no other material has been commingled with the exempt waste that
would otherwise cause the waste to be classified as "hazardous" by RCRA or any
other Federal, State/or Local law, regulation or ordinance.
Signature Manuel Braid
Title Administration It
Addres 603 W Elm FARMINGEN N. MEX 876
Date 8-3-95

REQUEST FOR APPROL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: XXX	4. Name of Transporter
Verbal Approval Received: Yes □ No DXX	Foutz
(Submitting this form for oilfield exempt waste is optional)  2. Destination	
VE at	5. Generator
Tierra Crouch Mesa Landfarm	VIM Trailer
3. Address of Facility Operator 55 00	6. Name of Originating Site
907 West Apache, Farmington, N.M. 87401	Vim Trailer Oil Water Sep.
7. Originating Location of Material (Street Address or ULSTB)	8. State
5720 U.S. Highway 64, Farmington, San Juan County, N.M.	New Mexico
9. Check One  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.  B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environment Department or other appropriate gover XXXC. All requests for approval to accept non-exempt wastes must be accompanied by need the material is non-hazardous and the Generator's certification of origin. No waste of the material is non-hazardous and the Generator's certification of origin.	by a certification of waste status from the nment agency; two certificates per job.
will be approved. All transporters must certify—that the wastes delivered are on	ly those consigned for transp
Projected Dates(s) for Transportation:	
RIEF DESCRIPTION OF THE MATERIAL:	
Scil contaminated with hydrocarbons from spill at oil water s	eperator.
OUL CO	EIVED  3 0 1995  DECEIV  ON. DIV.  OIL CON. DIV.  DIST. 2
stimused Volume (to be entered by the operator at the	end of the haul):
ereby certify that the information above is true and complete to the best of my knowledge and belief.	
GNATURE	DATE 6/26/95
YPE OR PRINT NAME Phillip C. Nobis	TELEPHONE NO. 325-0924
his space for State Use)	
PPROVED BY Denny S. tent TITLE Geolog	DATE 6/30/9

conditions of APPROVAL IF ANY: Tierra's permit to accept liquids expired

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1 . RCRA Exempt: Non-Exempt: XXX	4. Name of Transporter
Verbal Approval Received: Yes  No CIXX (Submitting this form for oilfield exempt waste is optional)	Foutz
2. Destination  Tierra Crouch Mesa Landfarm	5. Generator  VIM Trailer
3. Address of Facility Operator	6. Name of Originating Site
907 West Apache, Farmington, N.M. 87401	Vim Trailer Oil Water Sep.
7. Originating Location of Material (Street Address or ULSTR)	8. State
5720 U.S. Highway 64, Farmington, San Juan County, N.M.	New Mexico
9 Charle Can	

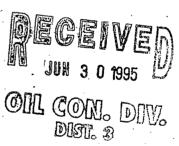
- A. All requests for approval to accept cilfield exempt wastes will be accompanied by a certification of waste from the Generator; on certificate per job.
- B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- XXXC. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.
- transporters must

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with hydrocarbons from spill at oil water seperator.

VIM Trialer is an oilfield related business that repairs oilfield transport verhicles.



		DIST. 3	•
Estimated Volume : 20	· ·	the operator at the end of the haull:	ус
SIGNATURE	e and complete to the best of my knowledge and belief	i.	DATE 6/26/95
TYPE OR PRINT NAME Phillip	C. Nobis	TELEPHONE NO	. 325–0924
(This space for State Use)			
APPROVED BY Down	J. Found TITLE	Geologist	DATE
APPROVED BY	TITLE		DATE

**₩**001



### TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE P. O. Drawer 15250 Farmington, NM 87403 (505) 325-0924

### CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

Originating Site: (Include Name, Section, Town VIM Trailer, Jug. 5720	ship, Range, 1/4, etc.)  U.S. 64 Farmington, N.M.
Source: Steam rack fr. 1	rude fants-oil/water
I David Wagioner for VIM Trader The	representative
do hereby certify that the waste describes the conservation and Recovery hazardous by characteristic analysis.  The appropriate documentation is he	
Check appropriate line(s)	
Signature Vaind Wage	
Title Greneral Man	<u> 1898 </u>
Date 6-37-95	
Post-le brand fax transmittal mem  To Pare Co.  Co.  Dept.  Pho  Fax # 777 (4// 50 Per	TIERRA



CORE LABORATORIES
ANALYTICAL REPORT

Job Number: 951418 Prepared For:

ONSITE TECHNOLOGIES LIMITED DAVE COX\*\*\*\*\*\*
657 W. MAPLE
FARMINGTON, NM 87401

Date: 06/05/95

Name: Chip Meador

Title: Regional Manager

CORE LABORATORIES

1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408



LABORATORY

TESTS 06/05/95

RESULTS

JOB NUMBER: 951418

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX\*\*\*\*\*\*

CLIENT I.D..... 2-1000

DATE SAMPLED.....: 05/16/95 TIME SAMPLED.....: 08:00 WORK DESCRIPTION...: 6386-3040 LABORATORY I.D...: 951418-0001 DATE RECEIVED...: 05/17/95 TIME RECEIVED...: 12:15

REMARKS....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
TCLP Semivolatiles		*1		EPA SW-846 8270	05/26/95	GEF
1,4-Dichlorobenzene	<10	10	ug/L .	EPA SW-846 8270		•
2.4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270		
Hexachloroethane	<10	10	ug/L	EPA SW-846 8270	i	
Nitrobenzene	<10	10	ug/L	EPA SW-846 8270		
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270	-	
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
Pyridine	<10	1 10	ug/L	EPA SW-846 8270		
p.m-Cresol	<10	10	ug/L	EPA SW-846 8270		
o-Cresol	<10	1 10	ug/L	EPA SW-846 8270		
0-Ci esot	10	"	dg/ c	LIA 3# 040 0E70		
TCLP Volatiles		*10		EPA SW-846 8260	05/31/95	QP
Benzene	<50	50	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260		
Chlorobenzene	<50	50	ug/L	EPA SW-846 8260		
Chloroform	<50	50	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Vinyl chloride	<40	40	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260	i	
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260	1	
•			-3, -		05 (2) (05	LIED
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3580	05/24/95	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	05/22/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	05/22/95	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Barium (Ba), extractable TCLP	0.75	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP

1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673



LABORATORY TESTS RESULTS

06/05/95

JOB NUMBER: 951418

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX\*\*\*\*\*

CLIENT I.D..... 2-1000 DATE SAMPLED.....: 05/16/95

TIME SAMPLED.....: 08:00 WORK DESCRIPTION...: 6386-3040

LABORATORY I.D...: 951418-0001 DATE RECEIVED....: 05/17/95 TIME RECEIVED ....: 12:15

REMARKS....:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHI
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Flammability Potential	Neg.		+ or -	ASTM D4982-89	05/18/95	JJP
pH, solid/waste	7.9	0.1	pH units	30 TAC 335.505 (3)	05/18/95	DJ
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	05/26/95	JJP
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	05/23/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	05/22/95	DGP
			•			
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<u>.</u>						

1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673



#### QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents:

EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.

USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.

EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.

Federal Register, July 1, 1992 (40 CFR Part 136).

Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.

Quality control acceptance criteria are method dependent.

All data reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

NC = Not Calculated due to value at or below detection limit.

NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.

The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.

The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

#### SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an "\*" and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

#### Core Laboratories :

Anaheim	*AN	Lake Charles	*LC
Aurora	*AU	Long Beach	*LB
Casper	*CA	Other Laboratories	*XX
Houston	*HP		

#### QUALITY ASSURANCE REPORT CODES

BLANKS*.	REFERENCE STANDARDS	SPIKES AND	DUPLICATES

MB = Method Blank	RS = Reference Standard	MS = Matrix Spike, BS = Blank Spike
RB = Reagent Blank	<pre>CC = Continuing Calib.</pre>	SS = Surrogate Spike, MD = Matrix Dup.
SB = Storage Blank	LCS = Laboratory Control Std.	PDS= Post Digested Spike
ICB = Initial Calib. Blank	ICV = Initial Calib. Verification	MSD= Matrix Spike Duplicate
CCB = Continuing Calib. Blank	CCV = Cont. Calib. Verification	PDD= Post Digested Duplicate

\*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

1733 NORTH PADRE ISLAND DRIVE CORPUS CHRISTI, TX 78408 (512) 289-2673

### ON SITE

### **CHAIN OF CUSTODY RECORD**

3041

Date: 5/16/15

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Page	(	of_		

TECHNOLOGIES, LTD. 657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase	Order No.: 3040 Job No. 2-	-100	۵			0	Name	D	AVI	DC	OX			Title			
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	Company ON SITE		Dept.			PO ULT	Mailing Address 657 W. WAPLE ST										
SEND INVOICE TO	Address					RESULTS TO	City, State, Zip FARMIN/6-Ton/, NM 8740/ Telephone No. 505 325 5667 Telefax No. 505 325-625						_				
	City, State, Zip					-	Teleph	one No	50	5 3	25	566	7 1	elefax i	No. 50	15 325-6	256
Sampling	Location:										ANAL	YSIS	REQU	ESTE	D		
	VIM TRAILER SITE					er of ners	LAB ID										
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