NM1 - <u>C</u>

C-138

YEAR(S): 2001

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

3

State of New Mexico Energy Minerals and Natural Resources OIL ONSERVATION DIV. Oil Conservation Division

Oil Conservation Division 1220 South St. Francis Dr. 2 Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

DATE: 2-23-01

Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Navajo Refining Compa
Verbal Approval Received: Yes No 🔀	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Champion
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexcio
7. Location of Material (Street Address or ULSTR) 501 East Main, Artesia	New Mexico
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved All transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters. 	cessary chemical analysis to PROVE the ssified hazardous by listing or testing will be
02-012 Plant solid waste generated through plant operations.	
Enclosed is a non-exempt certificate of waste status and letter (see attach to extend this process for the year 2001.	ned),
Estimated Volume 10 yd., roll off binscy Known Volume (to be entered by the oper	ator at the end of the haul)cy

TYPE OR PRINT NAME: _	Carmella Van Maand	en	TELEPHONE NO	(505) 393-1079
(This space for State Use)				
APPROVED BY:		TITLE:		DATE:
APPROVED BY:	to philips	_ title: <u>Envir</u>	orumll Gedget	date <u>3-5-0 </u>

TITLE:

Bookkeeper

Jaanen

armella Jan W

Waste Management Facility Authorized Agent

SIGNATURE

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR: Navajo Refining Company
ADDRESS: 501 East Main
SENERATING SITE: Navajo Refining Company
COUNTY: Eddy
STATE:NM
TYPE OF WASTE: Misc. Trash and Debris
ESTIMATED VOLUME: 10 yard roll off bins
GENERATING PROCESS:Trash and Debris from around Plant (Pallets, Concrete, Cardboard boxes, Insulation, plastic, paper, rags.)
REMARKS:This is trash that the city picks up in dumpsters
NMOCD FACILITY: Controlled Recovery Incorportated
TRUCKING COMPANY: Champion
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT: SIGNATURE
NAME: Charlie Plymale PRINTED
ADDRESS: 501 EAST MAIN
ARTESIA, NM 88210
DATE: 2/22/01



REFINING COMPANY

FAX (505) 746-5283 DIV. ORDERS (505) 746-5481 TRUCKING (505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159 ARTESIA, NEW MEXICO 88211-0159 TELEPHONE (505) 748-3311 FAX (505) 746-5419 ACCOUNTING (505) 746-5451 EXECUTIVE (505) 746-5421 ENGINEERING (505) 746-5480 P / L

2/22/01

Ken Marsh CRI P.O. Box 388 Hobbs, NM 88241

I would like to get the following waste profiled into your facility. This waste is trash that is generated around the refinery that we take to Sandpoint landfill in Carlsbad.

- (1) Cardboard Boxes
- (2) Pallets
- (3) Paper
- (4) Insulation
- (5) Plastic
- (6) Rags

The above waste is Non Hazardous material that would be transported in 20 yard roll off bins by Champion Inc. Included you will find a Certification of Waste Status.

Sincerely

Environmental Specialist

Post-It® Fax Note 7	Oate Z/z/o/ # of pages ≥ 2.
TOCRI	From Charlie Phymal-
Co/Dept.	Co.
Phoпе #	Phone # 505 7483311
Fax# 505 393 3	Fay #

District I - (505) 393-6161 2 O. Box 980 Nobbs, NM 88241-1980 District II - (505) 748-1283 11 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropring District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Pool Company Texas, Lt
Verbal Approval Received: Yes No 🛚	5. Originating Site FM Road 300
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter McNabb Services
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) FM Road 300, Levelland	Texas
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
01-002	
Excavated soil from site (yard clean up).	
I am enclosing Certificate of Waste Status, copy of analytical and chain of custody.	
Estimated Volume 500 cubic yards cy Known Volume (to be entered by the op	erator at the end of the haul) ————————————————————————————————————
SIGNATURE: Wmlh Oan Mana TITLE: Bookkeep Waste Management Facility Authorized Agent	DATE: 01-11-01
TVDE OD DDINT NIAME. Carmella Van Maanen TEI	EDHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: Down Williams TITLE MILLONNENTED Chancer BATE: OF

APPROVED BY: Thy all of TITLE: Environmental Geologist DATE: 01-18-01

01/10/01

CRI

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

NON-EXEMPT WAS LE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION."
COMPANY/GENERATOR Pool Company Texas Ltd.
ADDRESS 515 W. Greens Road, Suite 1000, Houston Tx 7706
GENERATING SITE Pool Company - Levellard F.M. Board 300
COUNTY Hockley STATE TX
TYPE OF WASTE Non-haz oily dirt
ESTIMATED VOLUME 500 Cu-yd
GENERATING PROCESS Excavated Soil from site.
(yard Clean-up)
NMOCD FACILITY (RI (Controlled Recovery, Inc) TRUCKING COMPANY McNabb Services
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT SIGNATURE NAME Don Baeza PRINTED ADDRESS 123. S. Washington
DATE 10 Jan 01

ERMI Sample Preservation Documentation *

Subsample Parameters	Containers # Size	Required Preservative	Sample Container	Check pH Temp.
Metals		1:1 HNO₃ to pH < 2	Glass or Plastic	
Dissolved Metals		Filter immediately (.45 micron), then 1:1 HNO ₃ to pH < 2	Glass or Plastic	
BNA, Pesticides, PCBs, Herbicides		Cool 4° C, 0.008% NaS ₂ O ₃	Glass only with Teflon lid	
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)		Cool 4° C, HCl No Head Space	40 ml VOA vial	Do Tola Sperk
VOA (TPH-1005)		Cool 4° C, NaHSO. Volume 30 ml	40 ml VOA vial	uo. not s ropen
Phos., NO₃/NO₂, NH₃N, COD, TKN		1:1 H ₂ SO ₂ to pH < 2; Cool 4° C	Glass or Plastic	
TDS, BOD, Cond, pH, TSS, F, SO ₁ , Cr ³⁻ , Sulfite		Cool 4° C	Glass or Plastic, Plastic only if	
TOC		1:1 H ₂ SO ₄ to pH < 2; Cool 4° C	Glass or Plastic	
Oil & Grease, TPH, Phenols		1:1 H ₂ SO ₄ to pH < 2; Cool 4° C	Glass only with Teflon lid	
Cyanide		SN NaOH to pH >12, Cool 4° C, 0.6 gms ascorbic acid	Glass or Plastic	
Sulfide		Add zinc acetate, then 10N NaOH to pH > 9; Cool 4° C	Glass or Plastic	
Bacteria		Bag contains Sodium Thiosulfite/Sterile cup	Thio bag/ Plastic	
Soil, Sludge. Solid. Oil, Liquid	2 500	Cool 4° C	द्वी वडड	on the
Comments:	Fort Lid	íc/		

This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check and record pH and temperature. Adjust pH if needed. Note any incorrect sample containers or preservation on chain-of-custody.

H

Preservation Checked By

Vendy Lindley 1

12-7-00

11:35°

o

Page /

167310

Chain-of-Custody Bethany Tech Center 400 W. Bethany, Suite 190 Allen, Texas 75013 972-727-1123 (Local) * 800-228-ERM] (Long Distance) 872-727-1175 (Fax)

Company Nam	Company Name: Crient GARIANE	اده						0	Comments:	nts:				
Contact: Len	7202													
Address: 123	5 Wichneson	Vishincha	ko.								1			
City: Sen An		r i	State:	7x	Zip Code:	le: 2 / $\%$ / 1			TAT:	Normal	12	Expedite	<u>و</u>	
Telephone: 9	115/655-4762				Fax Number:	mber: 9/5/	655-4XA	7.7				(Call for	(Call for Pricing)	1
Billing Name:	Confort Geography	4.10						0		REO	VESTE	REQUESTED ANALYSES	S	0
Billing Address (if different):		•												
City:			State:		Zip Code:	Je:				,				
Telephone:					Fax Number:	mber:								
Purchase Order Number:	r Number:							0						
Project Name: $p_{D}/C_{MM_{D}}$	Pol Congra, - Levellon	1601		0	-	Project Number:		0	57:		<i>5</i>		-	~ <u>~</u>
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City: / eye/land	Ju.		State:	اخ	Zip Code:	te:			le	3	10)			
10	かれり	Signature:	June:	1	1			Θ	7 6) }/;	I I -			
łl 💮	Field Sample	San	Sample		10 # /		Sample Type	Type	17	70	7			
Use Only	1.0.	O Safe		Matrix	Bottles	Preservative	Сощр.	Grab	71	10/1 .	y			
176005	Stocknike Come	S Decoo	1.000	S	2	Mese	1			^	/			
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Method of Shipment:	ment: U/?		Date:	Date: 6 Arc	Received 1	Received for ERMI By:	Men	がえ	Z Z	and a	Ď	Date:13/7/100	Time: 1030	R
	See Reverse for Terms and Conditions			See	Reverse for 1	erms and Con-	ditions			,			Revised 10/09/96	2000
WHITE: Original to be	returned with Report; YELLOW;	EKMI cop	Y: PINK: C	ustomer Copy				>)				

Mr. Don Baeza Page 4 December 21, 2000

SAMPLE NUMBER:

176005

Quality Control Information (Continued)

<u>Parameter</u>	Sample Preservation	EPA⁴ <u>Method</u>	<u>C.V.%</u>		tandard e <u>viation</u>	Spike <u>Recovery%</u>	Date of <u>Analyses</u>	Time of <u>Analyses</u>	Analyst
TCLP									
SemiVolatiles	Cool to 4°C	8270					12/12/00	10:04AM	W. Yang
Matrix Spikes:									
Hexachlorobe	nzene		3.7	±	6.725	91			
Hexachlorobut	tadiene		0.1	±	0.134	78			
Hexachloroeth	ane		4.4	±	6.003	68			
Nitrobenzene			0.9	±	1.287	75			
Pyridine			3,5	±	2.814	40			
Surrogates:									
2-Fluoropheno	oj.		N/A		N/A	42			
Phenol-d _s			N/A		N/A	27			
Nitrobenzene-	d₅		N/A		N/A	72			
2-Fluorobipher	nyi		N/A		N/A	80			
2,4,6-Tribromo	-		N/A		N/A	86			
Terphenyl-d ₁₄	•		N/A		N/A	94			

- Using the criteria of Ignitability, Reactivity, Corrosivity and Metals, Volatiles and Semivolatiles Toxicity characteristics, this sample of waste is not hazardous.
- Not ignitable using the criteria applied for not a liquid sample. (Section 7.1.2.2)
- BDL = Below Detection Limit.
- EPA. 1986. Test Methods for Evaluating Solid Waste. SW-846, 3rd Edition.

Respectfully submitted,

Sendall K. Brown Kendall K. Brown

President

Prepared By S. Doster & Reviewed By Sherri Hughes

SAMPLE NUMBER:

176005

Quality Control Information (Continued)

		 ·				•			
	Sample	EPA*		St	andard	Spike	Date of	Time of	
Parameter	Preservation	Method	C.V.%	De	eviation	Recovery%	<u>Analyses</u>	Analyses	<u>Analyst</u>
				•					
Arsenic	Cool to 4°C	6010	2.6	±	0.028	107	12/09/00	1:16PM	D. Schwartz
Barlum	Cool to 4°C	6010	0.9	±	0.010	104	12/09/00	1:16PM	D. Schwartz
Cadmium	Cool to 4°C	6010	1.4	±	0.014	104	12/09/00	1:16PM	D. Schwartz
Chromium	Cool to 4°C	6010	1.3	±	0.013	103	12/09/00	1:16PM	D. Schwartz
Lead	Cool to 4°C	6010	2.0	±	0.022	105	12/09/00	1:16PM	D. Schwartz
Mercury	Coal to 4°C	7470	0.6	±	0.028	94	12/08/00	3:57PM	D. Schwartz
Selenium	Gool to 4°C	6010	4.2	<u>±</u>	0.042	102	12/09/00	1:16PM	D. Schwartz
Silver	Cool to 4°C	6010	0.7	±	0.004	99	12/09/00	1:16PM	D. Schwartz
TCLP Volatiles	Cool to 4°C	8260					12/15/00	12:19PM	J. Wang
ZHE Extraction		1311					12/07/00	7;35PM	A. Lobza
Matrix Splkes:									
Benzene			4.3	±	2.447	114			
Carbon Tetrac	:hloride		2.6	±	1.570	119			
Chlorobenzene	e		5.4	±	2.807	104			
Ghioraform			3.3	±	1,824	109			
1,4-Dichiorobe	enzene		4.1	±	2.107	102			
1,2-Dichloroet			3.0	±	1.598	107			
1,1-Dichloroet			1.7	±	1.216	140			
Methyl ethyl k			4.6	±	2.984	130			
Tetrachioroeth			5.0	±	2.715	109			
Trichloroethyle	•		4.3	±	2.326	109	•		
Vinyl chloride			0.1	±	0.078	104			
Surrogates:									
Fluorobenzen	е		N/A		N/A	108			
Toluene-d _s			N/A		N/A	111			
Bromofluorobe	anzene		N/A		N/A	106			
TCLP									
SemiVolatiles	Cool to 4°C	8270					12/12/00	10:04AM	W. Yang
Extraction		1311					12/07/00	7:35PM	A. Lobza
Liquid-Liquid Ext	traction	3510					12/08/00	4:15PM	A. Lobza
Gel Permeation	Cleanup	3640					12/08/00	11:12PM	A. Lobza
Matrix Spikes:									
o-Cresol			0.5	±	0.601	63			
m-Gresol & p-	Cresal		0.4	±	0.905	56			
2,4,5-Trichlore	phenoi		8.0	±	1.181	73			
2,4,6-Trichlord			2.0	±	3.048	76			
Pentachloroph			3.7	±	5,692	77			
1,4-Dichlorobe			4.4	±	5.713	65			
2,4-Dinitrotolu	ene		3.6	±	5.204	72			

Mr. Don Baeza Page 2 December 21, 2000

SAMPLE NUMBER:

176005

	Regulatory	Detection	Observed							
<u>Parameter</u>	<u>Limits</u>	<u>Limits</u>	<u>Concentration</u>							
	TCLP VOLATIL	ES (Continued)								
Chlorobenzene, mg/l	<100.0	0.03	BDL							
Chloroform, mg/l	<6.0	0.03	BDL							
1,4-Dichlorobenzene, mg/l	<7.5	0.03	BDL							
1,2-Dichloroethane, mg/l	<0.5	0.03	BDL							
1,1-Dichloroethylene, mg/l	<0.7	0.03	BDL							
Methyl ethyl ketone, mg/l	<200.0	0,1	BDL							
Tetrachloroethylene, mg/l	<0.7	0.03	BDL							
Trichloroethylene, mg/l	<0.5	0.03	BDL							
Vinyl chloride, mg/l	<0.2	0.03	BDL							
TCLP SEMIVOLATILES										
2,4-Dinitrotoluene, mg/l	<0.13	0.006	BDL							
o-Cresol, mg/l	<200.0	0.006	BDL							
m- & p-Cresol, mg/l	<200.0	0.012	BDL							
Cresol, mg/l	<200.0	0.018	BDL							
Hexachlorobenzene, mg/l	<0.13	0.006	BDL							
Hexachlorobutadiene, mg/l	<0.5	0.006	BDL							
Hexachloroethane, mg/l	<3.0	0.006	BDL							
Nitrobenzene, mg/l	<2.0	0.006	BDL							
Pentachlorophenol, mg/l	<100.0	0.006	BDL							
Pyridine, mg/l	<5.0	0.006	BDL							
2,4,5-Trichlorophenol, mg/l	<400.0	0.006	BDL							
2,4,6-Trichlorophenol, mg/l	<2.0	0.006	BDL							

Quality Control Information

<u>Parameter</u>	Sample <u>Preservation</u>	EPA* <u>Method</u>	<u>c v</u> .%		andard eviation	Spike <u>Becovery%</u>	Date of <u>Analyses</u>	Time of Analyses	<u>Analys</u> t
ignitability	None Required	7.1.2.2	0.0	±	0.000	N/A	12/11/00	12:00PM	R. Shah
Corrosivity	None Required	9045	0.0	±	0.000	N/A	12/11/00	9:00AM	R. Shah
Reactivity									
Cyanides	None Required	7,3.3.2	0,0	±	0.000	28	12/10/00	7:45AM	M. M ^c Gaugh
Sulfides	None Required	7.3.4.2	0.0	±	0.000	90	12/10/00	7:45AM	M. M ^c Gaugh
TCLP Metals									
Extraction		1311					12/07/00	6:00PM	K, Maxwell
Metals Digestio	n – ICP	3010					12/09/00	9:00AM	D. Schwartz
Metals Digestlo		7470					12/08/00	10:15AM	D. Schwartz



Environmental Laboratories

Bethany Tech Center • Suite 190 400 W. Bethany Rd. • Allen, Texas 75013

December 21, 2000

REPORT OF:

Soil Analysis

REPORT TO:

Mr. Don Baeza

Combest Geoscience 123 S. Washington

San Angelo, Texas 76901

PROJECT NAME:

Pool Company - Levelland

Levelland, Texas

SAMPLE ID:

Stockpile Comp.*

SAMPLE DATE:

December 05, 2000

SAMPLE TIME:

1:00PM

SAMPLE RECEIVED:

December 07, 2000

TIME RECEIVED:

10:20AM

SAMPLE METHOD:

Composite

SAMPLE COLLECTED BY:

Don Baeza - Customer

SAMPLE NUMBER:

176005

RESULTS:

HESULIS.			
	Regulatory	Detection	Observed
<u>Parameter</u>	<u>Limits</u>	<u>Limits</u>	<u>Concentration</u>
	IGNITABI		
Flashpoint	>60°C (140°F)	0.5°C	**
	CORRÓSI		
pН	pH > 2.0 pH units	0.1 units	7.4 units
	pH <12.5 pH units		
	REACTIV	/ITV	
Cunnidas malka	≤250	1.0	BDL***
Cyanides, mg/kg	≤500 ≤500	4.0	20
Sulfides, mg/kg	≥500	4.0	20
	TCLP MET	TALS	
Arsenic, mg/l	<5.0	0.20	BDL
Barium, mg/l	<100.0	0.05	0.99
Cadmium, mg/l	<1.0	0.04	BDL
Chromium, mg/l	<5.0	0.05	BDL
Lead, mg/l	<5.0	0.10	BDL
Mercury, mg/l	<0.2	0.004	BDL
Selenium, mg/l	<1.0	0.20	BDL
Silver, mg/l	<5.0	0.07	BOL
	TOLD VOLATILE	OBCANICE	
D 0	TCLP VOLATILE		901
Benzene, mg/l	<0.5	0.03	BDL

l ---- /073\ 797_1133

Carbon tetrachloride, mg/l

Long Distance: (800) 228-ERM)

0.03

< 0.5

FAX: (972) 727-1175

BDL



Mark Bishop **Environmental Specialist** SH&E Services Conoco Gas & Power

Conoco Inc. 921 W. Sanger Hobbs, NM 88240 Phone 505-391-1956 Cell (281) 380-0018 E-mail mark.a.bishop@usa.conoco.com

1/11/2002

Mr. Ken Marsh Controlled Recovery Incorporated P.O. Box 388 Hobbs New Mexico 88241

Mr. Marsh

While reviewing waste disposal manifests from last year, Conoco determined that shipments from the Bootleg Compressor Station to your facility were incorrectly manifested from January through August 2001. The manifests indicated that the shipments originated from a non-exempt tank. However, the wastes shipped to your facility originated from an exempt tank that contains glycol dehydration wastes.

Following are the dates and amounts of the shipments that were incorrectly manifested:

Conoco Manifest # 63967 - CRI ticket # 36149 dated 7/23/01

Conoco Manifest # 64194 - CRI ticket # 36456 dated 8/20/01

Conoco Manifest # 64195 - CRI ticket # 36280 dated 8/3/01

Conoco Manifest # 63968 - CRI ticket # 36053 dated 7/14/01

Conoco Manifest # 63966 - CRI ticket # 36095 dated 7/3/01

Conoco Manifest # 63011 = CRI ticket # 35770 dated 6/20/01

Conoco Manifest # 64013 - CRI ticket # 35627 dated 6/9/01

Conoco Manifest # 63970 - CRI ticket # 35168 dated 5/4/01

Conoco Manifest # 64002 - CRI ticket # 34992 dated 4/24/01

Conoco Manifest # 63964 - CRI ticket # 33910 dated 3/9/01

Conoco Manifest # 63963 - CRI ticket # 33350 dated 1/11/01

Conoco Manifest # 63969 -CRI Production water #034308 was partially manifested incorrectly by Conoco personnel but received correctly by CRI personnel

Please revise your records to reflect that these shipments were comprised of exempt waste. There were no shipments of non-exempt waste from the Bootleg Compressor Station to your facility in 2001.

Mark Bishop

STATE AND LANGUAGE THE RESERVE OF THE SERVE Gongeo Marifest / 63011 = CRI ticket # 35770 dated 6.20.01 Gongeo Mainrest / 65713 - CRI ticket # 35627 dated 6.9/21 Conce pholips # 63966 - CRI ticket \$ 36095 dated 7/3//1 Conceo Manifiest # 63968 - CRI viewer = 36053 dated 7/14/01 Conception litest # 64195 - CRI tiexet # 30280 dated 8 3ml हा कार्य कर है। जा राज्य के <mark>स्थान की दूर का</mark> जार के जिल्हा है कि हा है कि है है कि है के लिए है के लिए हैं के लिए हैं

District I - (505) 393-6161 O. Box 1980 District II - (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropring District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE						
1. RCRA Exempt: Non-Exempt: X	4. Generator Marathon Oil Company					
Verbal Approval Received: Yes No 🛛	5. Originating Site Midland, Texas					
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI					
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico					
7. Location of Material (Street Address or ULSTR) Indian Basin Gas Plant						
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by					
BRIEF DESCRIPTION OF MATERIAL:						
Non-hazardous insulation from the Indian Basin Gas Plant. I am enclosing a certificate of waste status and e-mail approval by Wayne Price for ongoing waste stream. C-138 in effect until process changes.						
APPROVED BY: Months Title: Environment	nental Engradate: 01-17-01					



CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR: Marathon 011 Company
ADDRESS P.O. Box 552, Midland, TK-79702
GENERATING SITE Indian Basin Gas Plant
COUNTY Eddy STATE NM
TYPE OF WASTE Non-hezardous insulation
ESTIMATED VOLUME Unknown
GENERATING PROCESS Non-hazardous insulation from
Indian Basin Gas Plant-Marathon
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY CRI
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
SIGNATURE
NAME Paul Peacock PRINTED
ADDRESS P.O. Box 522
Midland, TX 79702
DATE 1-12-01

Carmella Van Maanen

From:

"M P (Paul) Peacock" <MPPeacock@marathonoil.com>

To:

<crihobbs@leaco.net>

Cc:

<CMSchweser@marathonoil.com>; <PJReynolds@marathonoil.com>

Sent:

Friday, January 12, 2001 8:43 AM

Attach:

RE_ Indian Basin Gas Plant - Insulation Disposal Approval.eml

Subject:

RE: Indian Basin Gas Plant - Insulation Disposal Approval-Forwarded

Ken Marsh,

As we discussed, I have forwarded an e-mail from Wayne Price of the NMOCD for the disposal of the non hazardous insulation at your facility. Please complete and submit Form C-138 to the NMOCD for the disposal of the insulation. If you have any questions, then please advise.

Sincerely,

M. Paul Peacock Advanced Environmental & Safety Engineer

Marathon Oil Company P. O. Box 552 Midland, TX 79702

Ph: 915/687-8118 Fax: 915/687-8186

E-mail: mppeacock@marathonoil.com

Carmella Van Maanen

From:

"Price, Wayne" <WPrice@state.nm.us>

To:

"'M P (Paul) Peacock" < MPPeacock@marathonoil.com>

Sent:

Thursday, January 11, 2001 4:14 PM

Subject: RE: Indian Basin Gas Plant - Insulation Disposal Approval

Approved!

```
> From: M P (Paul) Peacock[SMTP:MPPeacock@marathonoil.com]
> Sent: Thursday, January 11, 2001 3:52 PM
> To: wprice@state.nm.us
> Subject: Indian Basin Gas Plant - Insulation Disposal Approval
> <<File: MSDSPL~1.HTM>>
> Wayne,
>
> As we discussed, Marathon requests approval to ship the non hazardous
> calcium silicate insulation from the Indian Basin Gas Plant to Controlled
> Recovery, Inc. for disposal. The electronic HTM file, which contains the
> MSDS for the insulation, is attached. As indicated on the MSDS, the
> insulation does not contain asbestos. If you have any questions or need
> any additional information, then please advise.
> Sincerely,
> M. Paul Peacock
> Advanced Environmental & Safety Engineer
>
> Marathon Oil Company
> P. O. Box 552
> Midland, TX 79702
> Ph: 915/687-8118
> Fax: 915/687-8186
> E-mail: mppeacock@marathonoil.com
```

District I - (505) 393-6161 Hobbs, NM 88241-1980 District II - (505) 748-1283 311 S. First Vrtesia, NM 88210 <u>District III</u> - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410 District IV - (505) 827-7131

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

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

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Čo to appropri: District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Ocean Energy
Verbal Approval Received: Yes 🔀 No 🔲	5. Originating Site Harrod St. 9 #2
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Harrod St. 9 #2, Lea County	New Mexico
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	
01-004	
Diesel contaminated soil generated from oil spill.	
I am enclosing a certificate of waste status, and approvals by Gary Wink. (see attached)	
SIGNATURE: Atmella / Am Magne TITLE: Bookkeep Waste Management FacilityAuthorized Agent	erator at the end of the haul) — cy er
(This space for State Use) Gary Wink 01-12-01	75.ATT
APPROVED BY: TITLE: TITLE: TITLE: En 12 ironn	mtal localist DATE: 2-5-00

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Ocean Energy
ADDRESS 1001 FANNIN, Suite 1600, HUSTON, TEGAS
GENERATING SITE Harrod St. 9 #2
COUNTY Lea STATE NM
TYPE OF WASTE Diesel Contaminated Soil
ESTIMATED VOLUME 400 yards
GENERATING PROCESS Dil Sp. 11
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant
mixture a "hazardous waste" pursuant to the provisions of 40 CER, Sections 2613. AGENT SIGNATURE NAME VAN PRINTED ADDRESS 1001 Fannin, Suite 1600, Houston, TX 77002
DATE 1/17/0/



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

FAX	
TO:	KEN MARSH - CRI
FROM:	GARY W. WINK
	Energy, Minerals and Natural Resources Department, Oil Conservation Division
RE:	DIESEL SPILL
DATE:	1/12/01
GARY W	1. WINK - FIELD REP. IL GAVE BILL DYER-
1169 6	DELL JERVICE VERBAL PERMISSION
TO HAL	IL DIESEL CONTAMINATED DIRT TO
CML	
<u> </u>	- May www
V	
	Promo (Taraka Karama)
	Pages (Including Transmittal)

CONTROLLED RECOVERY, INC. Telephone Record	Date: Time:	1-12-2001
Name: B, II Dyell Title:	_Tele: <u>(</u> _Fax: <u>(</u>)
Company Name: Key Address:		
Subject: Ocom/ Energy Quantity: HARRON ST. 942 Quoted: Mahons Actificates Dr.	1/11+4, E	i C
DETAILS OF CONVERSATION:		
Number & HAS OIL	SP,71	
B,11 hAS Penmiss, in	Y0 0	ispose of
It At Hollway from Gray	WAR	
Cupy 41, 11 FAX 1	PPRIVA	1
JAM.		
RIIIan		
ACTION:		
FOLLOW UP:		

District I - (505) 393-6161
D. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
S11 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

(505) 827-7131

Form C-13
Originated 8/8/

Submit Origin Plus 1 Co to approprin District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Conoco, Inc.
Verbal Approval Received: Yes 🔲 No 🔯	5. Originating Site Maljamar Plant
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Kenemore
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Maljamar Plant, Maljamar	New Mexico
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accommodated acceptance. B. All requests for approval to accept non-exempt wastes must be acceptance. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
01-005	
Lube oil soaked dirt generated from gas plant.	
I am enclosing a certificate of waste status, analytical, and chain of custody.	
Estimated Volume 10 yards cy Known Volume (to be entered by the ope	erator at the end of the haul) ————————————————————————————————————
SIGNATURE: Waste Management Facility Authorized Agent TITLE: Bookkeepe	er DATE: 01-18-01
Compatible 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	EPHONE NO. <u>(505) 393-1079</u>
(This space for State Use) Gary Wink 01-12-01	
APPROVED BY: TITLE:	DATE:
APPROVED BY: Munting Kly TITLE: Environn	un he 6 colorest DATE: 2-5-04

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR CONDED INC
ADDRESS PO Box 90
GENERATING SITE Maljamar
COUNTY Lea STATE NM
TYPE OF WASTE Lube oil soaked dirt
ESTIMATED VOLUME 10 yards contaminated soil
GENERATING PROCESS Gas Plant
·
REMARKS
MMOCD FACILITY Controll Recovery Inc
TRUCKING COMPANY Kenemove Wdg.
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT Mark Bishop
NAME Mark 13/5hap
ADDRESS PO BOX 90
Maljamar NM 88264
DATE 15 2001



5053932476

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

PHONE (505) 393-2328 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR CONOCO ATTN: DENNIS DICKINSON P.O. BOX 90 MALJAMAR, NM 88264

FAX TO:

Receiving Date: 01/05/01 Reporting Date: 01/12/01 Project Number: NOT GIVEN

Project Name: NOT GIVEN

Project Location: CLARK BUILDING

Sampling Date: 01/05/01 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

TCLP METALS

LAB NO. SAMPLE ID	As mqq	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:	01/08/01	01/11/01	01/11/01	01/11/01	01/11/01	01/08/01	01/12/01	01/08/01
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H5498-1 COMP OF 1-4	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control	0,200	1.049	24.46	0.987	5,170	5.022	0.0100	0.206
True Value QC	0,200	1,000			5.000	5.000	0.0100	0.200
% Recovery	100	105	97.8		103	100	100	
Relative Standard Deviation	1.5			0.5				
METHODS: EPA 1311, 600/4-9	1/ 206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

 \mathfrak{d}_{z}



PHONE (915) 873-7001 + 2111 BEECHWOOD + ABILENE, TX 79603

PHONE (605) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

CONOCO

FAX TO:

ATTN: DENNIS DICKINSON

P.O. BOX 90

MALJAMAR, NM 88264

Receiving Date: 01/05/01

Reporting Date: 01/12/00
Project Number: NOT GIVEN

Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: CLARK BUILDING

Sampling Date: 01/05/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/BC

REACTIVITY

(ppm)

LAB NUMBER SAMPLE ID

Sulfide

Cyanide CORROSIVITY IGNITABILITY

(pH)

(ppm)

(°F)

ANALYSIS DATE:		01/08/01 01/08/01		01/05/01	01/05/01	
H5498-1	COMP OF 1-4	Not reactive	Not reactive	5.85	Nonflammable	
Quality Conf	troi.	NR	NR	7.02	NR	
True Value (QC .	NR	NR	7.00	NR	
% Recovery	· · · · · · · · · · · · · · · · · · ·	NR	NR	100	NR	
Relative Per	cent Difference	NR	NR	0.1	NR	

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Chemist Chemist

Date



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

CARDINAL LAB HOBBS

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

ANALYTICAL RESULTS FOR CONOCO, INC. ATTN: DENNIS DICKINSON P.O. BOX 90 MALJAMAR, NM 88264 FAX TO:

Receiving Date: 01/05/01 Reporting Date: 01/12/01 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: CLARK BUILDING

Lab Number: H5498-1

Sample ID: COMPOSITE OF #1, #2, #3 & #4

Analysis Date: 01/12/01 Sampling Date: 01/05/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5498-1	Method Blank	ac	%Re∞v.	True Value QC
Vinyl Chloride	0,20	<0.10	<0.10	0.092	92	0.100
1,1-Dichloroethylene	0.7	<0.05	<0.05	0.102	102	0.100
Methyl Ethyl Ketone	200	<0.50	<0.50	0.100	100	0.100
Chloroform	6.0	<0.05	<0.05	0.094	94	0.100
1,2-Dichloroethane	0.5	<0.05	<0:05	0.096	96	0.100
Benzene	0.5	<0.05	<0.05	0.084	84	0,100
Carbon Tetrachloride	0.5	<0:05	<0.05	0.093	93	0.100
Trichloroethylene	0.5	<0.05	<0.05	0.096	96	0.100
Tetrachloroethylene	0.7	<0.05	<0.05	0.101	101	0.100
Chlorobenzene	100	<0.50	<0.50	0.093	93	0.100
1,4-Dichlorobenzene	7.5	<0.05	<0.05	0.099	99	0.100

% RECOVERY

1,2-Dichloroethane-d4	. 113
Toluene d8	100
Bromofluorobenzene	101

METHODS: EPA SW 846-8260, 1311



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

PHONE (605) 393-2326 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR CONOCO, INC. ATTN: DENNIS DICKINSON P.O. BOX 90 MALJAMAR, NM 88264

FAX TO:

Receiving Date: 01/05/01
Reporting Date: 01/08/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN

Project Location: CLARK BUILDING

Lab Number: H5498-1

Sample ID: COMPOSITE OF #1, #2, #3 & #4

Analysis Date: 01/06/01 Sampling Date: 01/05/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5498-1	Meth od Blenk	QC`	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0:030	60	0.050

Pyridine	5.00	<0.020	<0.005	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0:030	60	0.050
o-Cresol	200	<0.020	<0.005	0.026	52	0.050
m, p-Cresol	200	<0.020	<0.005	0:024	48	0.050
Hexachloroethane	3:00	<0.020	<0.005	0.027	54	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.026	52	0.050
Hexachioro-1,3-butadiene	0.500	<0.020	<0.005	0.024	48	D:050
2,4,6-Trichiorophenol	2.00	<0.020	<0.005	0:028	56	0.050
2,4,5-Trichiorophenol	400	<0.020	<0.005	0.032	64	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.029	58	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.044	88	0.050
Pentachlorophenol	100	<0.020	<0.005	0.030	60	0.050

% RECOVERY

Fluorophenol	42
Phenol-d5	27
Nitrobenzene-d5	56
2-Fluorobiphenyt	69
2,4,6-Tribromophenol	39
Terphenyl-d14	100

METHODS: EPA SW 846-8270, 1311, 3510

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim stising, whether based in contract or ton, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days effect completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors existing out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

AR 211	ARDINAL LABORATORIES, INC.	S, INC.	NC.					
_	915) 673-7001 Fax (915) 673-7020		× (505) 393-2476				Page of	
Company Name:	$C_{ ho N ho c \dot{ u}}$				_	ANALYSIS	ANALYSIS REQUEST	
Project Manager:	MIS DICK	10500	P.O. &:					
Address: 🗜 🔾	1 1	1001 Conoco RCI	Company:					
Caby: MAL	THAMITA State: MY	120:88364	Attre	ر ا				
Phone #: 500	676-3519 FREAK SON	05-676-240	Address:					
Project #	Project Owner:		Caty	ملا	_	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Project Name:			State: Zlp:	P				
Project Location:	CIPRIC Build was	(X) 40	Phone #:					
Sampler Name:			Fax 9:	T7				
ATIO SEN BATION		XURITAL	PRESERV SAMPLING					
P.	Sample LD.	OR (G)OMP. AINERS DWATER NATER OIL	şë: OL					
	•	# CON GROU	ACIDA ICE / CO OTHE	THE -				
1-BARCH	\$ th	* *	0105					
	#13	×						
	# 4	X						
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12	angs. Cardel's Life of Sect. and the result is not		or bed, all to be and paid by the deed for the	-			: # -	
oerdan. In en aveet skall Cardinal he Rabb efficien er velkoperare gefilig och af er rek	for Indianal or summer		descriptions, tree of son, of hos of profix immend by effort, the set such defen is based spenary of the effort obtain resource or				3	
Sampler Kallingulshed:	Date:	aved By		Phone Result: Fax Result: REMARKS:	ONCO HEAD	to Addit Phone 3:		
Refinquished By:	7 7 8 05-0	Respired By: (Lety Star	3	Denn	nis PH#		676-3504	<u> </u>
Jan Claim	ڈی ا		┤ `					
Deliveredijby: (Carch	Bus - Other:	Cool Intact	(Initials)					
		1 100				/		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

01/12/5001 10:0é 20233341e

District I - (505) 393-6161
District II - (505) 748-1283
S11 S. First
Artesia, NM 88210
District III - (505) 334-6178
000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origii Plus 1 Co to appropri: District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE					
1. RCRA Exempt: Non-Exempt: X	4. Generator DOWELL SCHLUMBERGE					
Verbal Approval Received: Yes 🔲 No 🏻	5. Originating Site HOBBS FACILITY					
2. Management Facility Destination CONTROLLED RECOVERY, INC.	6. Transporter UNKNOWN					
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO					
7. Location of Material (Street Address or ULSTR) P.O. BOX 640, HOBBS	NEW MEXICO					
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.						
BRIEF DESCRIPTION OF MATERIAL:						
01-006						
THE FOLLOWING ANALYTICAL IS FROM THE DOWELL SCHLUMI	BERGER HOBBS FACILITY.					
THE MATERIAL WAS GENERATED BY WASHING TRUCKS AND OTHIS MATERIAL HAS BEEN APPROVED IN THE PAST AND I HAVE A CERTIFICATE OF WASTE STATUS AND CHAIN OF CUSTODY.						
	erator at the end of the haul) — cy					
SIGNATURE: Waste Management Facility Authorized Agent Waste Management Facility Authorized Agent						
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPHONE NO. <u>(505) 393-1079</u>					
(This space for State Use)						
APPROVED BY:TTTLE:	DATE:					
APPROVED BY MINT ON THE SUM	4/C/ 0/ DATE (- 29 0/					

CONTROLLED RECOVERY INC

P.02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATI	NGLOCATION: <u>Do</u>	owell	Schlumberg	ner. Ho.	665
SOURCE:	Truett w		•	,	
DISPOSAL I		パエ		TO THE PART OF THE PART OF	
I. the un	As a condition of accept that this waste is a non—Environmental Protection Determination. To my knowledge no hazardou knowledge no hazardou provisions of 40 CFR, Pandded or mixed with the mixture a hazardous was CFR, Section 261.3.	exempt was on Agency's chowledge, as of 40 CX is. I further sor listed art 261, Suit waste so a ste pursua	iste as defined by the second of this waste will be a R Part 261 to verify that to my waste" pursuant to the parts C and D, has set o make the results	e Regulatory nalyzed the he been ant of 40	
	status of the waste from		t site.	a lam to	<u> </u>
	Name		Darwin	Tho ups	on
	Title/An		Maint.	•	
	Address		PO BOX	640 M.S.82	40
	Signatur	e	Farin The		
	Date		1-22-1	J	



PHONE (915) 673-7001 - 2111 BEECHWOOD - ABILENE, 1X 79803

PHONE (505) 393-2326 - 101 E. MARLAND - HOBBS, NM 85240

ANALYTICAL RESULT'S FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 11/01/00 Project Number: NOT GIVEN Project Name: HOBBS YARD Project Location: NOT GIVEN Sampling Date: 10/25/00 Sample Type: SEE BELOW Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/GP

TCLP METALS

LAF.	3 NO.	SAMPLE ID	Λs	Ag	Ba	Cd	Çr	Pb	Hig	Se
			ppm	þþm	ppm	ppm	ррm	ppm	ppm	ppm
ΛN	ALYSIS	DATE:	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	11/01/00	10/30/00
EPA	A LIMIT	'S :	5	5	100	1	5	5	0.2	1
H57	₹83-1*	SPL#1 USED OIL	<1	<1	<5	<0.1	<1	<1	<0.02	<0,1
j∡ H52	283-2**	SPL #2 W.B. SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H52	283-4***	SPL#4 FILTER (OIL)	<1	<1	<5	<0,1	<1	<1	<0,02	<0.1
1152	283-5°	SPL#5 PARTS SOLV.	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
,					1.50.00					
		11 to 12 are management to 12								
	· · · · · · · · · · · · · · · · · · ·							,	, .v	
Qua	ality Co	ntrol	0.047	4.822	22.55	1.015	1,098	5.289	0.00998	0.0480
Tru	e Value	QC	0.050	5.000	25.00	1,000	1.000	5.000	0.01000	0.0500
% F	Recover	у	94.0	96.4	90.2	102	110	106	99.8	96.0
Rel.	alive St	andord Deviation	4.6	0.2	2.0	0.2	0.7	0.5	0.2	3.7
ME	THODS	6: EPA 1311, 600/4-78-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
l':':		*Liquid (oil)	**Sludge		***Solid	210.1	11///	200.1		

Gayle A. Potter, Chemist

///01/Z coco



PHONE (915) 673-7001 + 2111 BEECHWOOD + ABILENE, TX 79503

PHONE (505) 393-2326 + 101 E. MARIAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: HOBBS YARD

Project Location: NOT GIVEN

Sample ID: SAMPLE #2 W.B. SLUDGE

Lab Number: H5283-2

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5283-2	Method Blank	Q¢	%Recov.	True Value QC
Vinyl Chloride	0,20	<0,005	<0.005	0.086	86	0.100
1,1-Dichloroethylene	0.7	<0,005	<0,005	0,099	99	0,100
Methyl Ethyl Kelone	200	<0.050	<0.050	0,092	92	0,100
Chloroform	6.0	< 0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.096	96	0.100
Denzeno	0.5	<0.005	<0.005	0.095	95	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.096	96	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.100	100	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.106	106	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.101	101	0.100

% RECOVERY

Dibromotluoromethane	85
Toluene-d8	93
Bromofluorobenzene	93

METHODS: EPA SW 846-8260, 1311

ASUNG LANGUEST Burgess J. A. Cooke, Ph. D.

Date



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENII, TX 79603

PHONE (505) 303-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241

FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: HOBBS YARD

Project Location: NOT GIVEN Sample ID: SAMPLE #2 W.B. SLUDGE

Leb Number: H5283-2

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5283-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5,00	<0.020	<0.005	0.008	16	0.050
1,4-Dichlorobenzene*	7.50	0.024	0.005	0.032	64	0.050
o-Cresol	200	<0.020	<0.005	0.028	56	0,050
m, p-Cresol	200	<0.020	<0.005	0.026	52	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	80	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0,020	<0.005	0.041	82	0.050
2,4,5-Trichlorophenol	400	<0.020	<0,005	0.041	82	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.045	90	0.050
Hexachlorobenzono	0,130	<0.020	<0.005	0.040	08	0.050
Pentachlorophenol	100	<0.020	<0.005	0.043	86	0.050

	% RECOVERY
Fluorophenol	49
Phenol-d5	35
Nitrobenzene-d5	91
2-Fluorobiphenyl	81
2,4,6-Tribromophenol	78
Terphenyl d14	108

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.

Date

•



PHONE (815) 673-7001 - 2111 BEECHWOOD . ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O. BOX 640 HOBBS, NM 88241

FAX TO: (505) 393-2132

Sampling Date: 10/25/00

Sample Type: SLUDGE/SOLID Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: BC/AH

Receiving Date: 10/25/00 Reporting Date: 10/31/00 Project Number: NOT GIVEN Project Name: HOBBS YARD

Project Location: NOT GIVEN

REACTIVITY

LAB NO. SAMPLE ID

Sulfide

Cyanide CORROSIVITY

BURN RATE

(ppm)

(ppm)

(pH) (mm/sec)

ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
H5283-2 SPL.#2 W.B. SLUDG	E Not reactive	Not reactive	7.40	Nonflammable
H5283-4 SPL #4 FILTER (OIL)	Not reactive	Not reactive	5.89	<2.2
·				
* c =	1000	1 10 100 100 100 100 100 100 100 100 10		
· · · · · · · · · · · · · · · · · · ·				
Quality Control	NR	NR	6.99	NR NR
Quality Control True Value QC	NR NR	NR NR	<u>6.99</u> -	NR NR
		— v		

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

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21	2111 Beechwood, Abilene, TX 79603 101 East? -312 (505) 673-7001 Fax (915) 673-7020 (505)	101 East Marland, Hobbs, NM 68240 (505) 393-2326 Fax (505) 393-2476		Page of
Company Name:	de la la company	BILL TO	ANALYSIS	REQUEST
Project Manager:	DARWIN THOMOS	P.O. 余		
Address: ()	0, (50x 640	Company:		
CHY: HOOY	State: NM zip: Std	40 Attn:		
Phone #: 3Cl	1-3004 Fax# 393-2132	Address:	7_	
Project #:	Project Owner:	City:		
Project Name:	HODDS WARD	: Zip:	- (
Project Location:	•	Phone #:	4	
Sempler Name:	GAULE POTTER		J	•
FOR IMB USE ONLY		MATRIX PRESERV SAMPLING	<u> </u>	
- - - -	R (C)OMP. INERS	E:	S, F	
ב פ פ	(G)RAB OF	SOIL CRUDE OF SLUDGE OTHER: ACID/BASI ICE / COO OTHER:	TCL TS	
T-23-57-	520015#1 NSIDOIL G 11	X 1012 2:10	2	
1	Sam 24 #2 W B Sludge C 1	1	7	
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mpler Rainqu	Dane: Receive	ed Ey: Phone Results Phone Results	n: □Yes □No	· · · · · · · · · · · · · · · · · · ·
Relinquished By:	1 horner 10-14-10	(Lab Sizer)	Dyes D.Wo	
selivered By:	Delivered By: (Circle One)	Condition CH		
Sampler UPS	, ~,			

District 1 - (505) 393-6161 32 O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 Artesia, NM 88210 District III - (505) 334-6178 000 Rio Brazos Road \ztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropria

REQUEST FOR A	PPROVAL TO ACCEP	I SOLID WASTE
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REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator DOWELL SCHLUMBERGE
Verbal Approval Received: Yes 🔲 No 🍱	5. Originating Site ARTESIA FACILITY
2. Management Facility Destination CONTROLLED RECOVERY, INC.	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) P.O. BOX 640, HOBBS	NEW MEXICO
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
01-007	
THE FOLLOWING ANALYTICAL IS FROM THE DOWELL SCHLUM	BERGER ARTESIA FACILITY.
THE MATERIAL WAS GENERATED BY WASHING TRUCKS AND OI HAVE ALSO INCLUDED A CERTIFICATE OF WASTE STATUS AND	
	erator at the end of the haul) ————————————————————————————————————
SIGNATURE: Waste Management Facility Authorized Agent Waste Management Facility Authorized Agent	
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPHONE NO. <u>(505)</u> 393-1079
(This space for State Use)	
APPROVED BY: TTTLE:	DATE:
APPROVED BY: Mustime State TITLE: Environm	nutal Cocloust DATE: 1-29-01

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINA	INGLOCATION: Dowell Schlymberger, Antesla
SOURCE:	Truck wash bay
DISPOSAL	LOCATION: CAT
	As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.
	andersigned as the agent for Dowell Schlumberser the status of the waste from the subject site.
	Name Darwin Thompson
	Title/Angency Maint, Supu.
	Address PO BOX 640 HOBBS, NM 88240
	Signature Davin Thompson
	Date /-22-0/



PHONE (915) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 70603

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: ARTESIA YARD Project Location: NOT GIVEN Sample ID: #1 W.B. SLUDGE

Lab Number: 115285-1

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5285-1	Method Blank	QC	% Recov.	True Value QC
Pyriding	5.00	<0.020	<0.005	0.008	16	0.050
1,4-Dichlorobenzene*	7.50	0.025	0,005	0,032	64	0.050
o-Cresol	200	<0.020	<0.005	0.028	56	0.050
m, p-Cresol	200	<0.020	<0.005	0.026	52	0,050
Hexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	08	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.041	82	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.041	82	0.050
2,1-Dinitrotoluene	0.130	<0.020	<0.005	0.045	90	0.050
Hexachlorobenzene	0,130	<0.020	<0.005	0.040	80	0.050
Pentachlorophenol	100	<0.020	<0.005	0.043	86	0,050

	% RECOVERY
Fluorophenol	48
Phenol d5	35
Nitrobenzene-d5	83
2-f luorobiphenyl	71
2,4,6-Tribromophenol	79
Terphonyl-d14	91

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.

10/30(00)

Surgess J. A. Cooke, Ph. D.



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

PHONE (505) 393-2326 - 101 E. MARLAND - HOBBS, NM 86240

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: ARTESIA YARD Project Location: NOT GIVEN

Lab Number: 145285-1

Sample ID: #1 W.B.SLUDGE.

Analysis Date: 10/27/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA: LIMIT	Sample Result H5285-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0,20	<0.005	<0.005	0.086	86	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.099	99	0.100
Methyl Ethyl Kelone	200	<0.050	<0.050	0.092	92	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroothane	0.5	<0.005	<0.005	0.096	96	0.100
Benzeno	0.5	<0.005	<0.005	0.095	95	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.096	96	0.100
Trichloroethylone	0.5	<0.005	<0.005	0.100	100	0.100
Tetrachtoroothylena	0.7	<0.005	<0.005	0.106	106	0.100
Chlorobenzeno	100	<0.005	<0.005	0.106	106	0.100
1,4 Dichlorobenzene	7.5	<0,005	<0,005	0,101	101	0.100

% RECOVERY

Dibromofluoromethane	85
Toluene-d8	91
Bromofluorobenzene	92

METHODS: EPA SW 846-8260, 1311

e Cooli

0/30/00 Date:



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

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O. BOX 640 HOBBS, NM 88241

FAX TO: (505) 393-2132

Sampling Date: 10/25/00

Sample Type: SLUDGE/SOLID Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC/AH

Receiving Date: 10/25/00 Reporting Date: 10/31/00 Project Number: NOT GIVEN Project Name: ARTESIA YARD

Project Location: NOT GIVEN

REACTIVITY

LAB NO. SAMPLE ID

Sulfide Cyanida

Cyanide CORROSIVITY

BURN RATE

(ppm)

(ppm)

(pH) (mm/sec)

ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
115285-1 #1 W.B. SLUDGE	Not reactive	Not reactive	7.16	Nonflammable
I-15285-4 #4 FILTER	Not reactive	Not reactive	3.93	Nonflammable
, , , , , , , , , , , , , , , , , , , ,				
Quality Control	NR	NR	6.99	NR NR
True Value QC	NR NR	NR	7.00	NR
% Recovery	NR	NR	100	NR
Relative Percent Difference	NR	NR	0.3	NR NR

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Chemist J. J. J. Coolie

10/31/2000 Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 70603

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00
Reporting Date: 11/01/00
Project Number: NOT GIVEN
Project Name: ARTESIA YARD
Project Location: NOT GIVEN

Sampling Date: 10/25/00 Sample Type: SEE BELOW

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/GP

TCLP METALS

LAB NO. SAMPLE ID	As	Ag	Ва	Cd	Cr	Pb	Hg	Sø
	ppm	ppm	ppm	ppm	ppm	ÞÞm	ppm	ppm
ANALYSIS DATE:	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	11/01/00	10/30/00
EPA LIMITS:	5	5	100	1	5	5	0,2	1
) H5285-1* #1 W.B.SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5285-3** #3 USED OIL	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5285-4*** #4 FILTER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5285-5** #5 PARTS SOLVENT	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
,,								h \ \ \ +\ \ \
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								, A
Quality Control	0.047	4.822	22,55	1.015	1.098	5.289	0.00998	0.0480
True Value QC	0.050	5,000	25.00	1,000	1.000	5.000	0.01000	0.0500
% Recovery	94.0	96.4	90.2	102	110	106	99.8	96.0
Relative Standard Deviation	4.6	0.2	2.0	0.2	0.7	0.5	0.2	3.7
METHODS: EPA 1311, 600/4-78-02	206.2	272.1	208.1	213.1	218.1	239.1	245,1	270.2
*Sludge	**Liquid (o	ii)		***Solid			1 / Sames Same	

Gayle A. Poller, Chomist

1/6/2000 Date

21	2111 Beechwood, Abilene, TX 79603 101 E (915) 673-7001 Fax (915) 673-7020 (505)	07, 4190. 03 101 East Marland, Hobbs, NM 88240 00 (505) 393-2326 Fay (505) 393-2476	Hobbe, NH 88240			P#86 of
Company Name:		<u> </u>	BILL TO			57
Project Manager:	SI MUSIC		P.O.#:		_	
Address: U.	150 V		Company:			
CITY: (+))))) State: () M	C1888 1912	Attn:	7		
Phone #:	FEXT	-	Address:	Pl	(-	
Project #:	Project Owners	<u>،</u>	Chy:	0.	Q —	
Project Name:	Arksia ulud		State: Zip:	ρ	<u> </u>	
Project Location:			Phone #:	γ	+	
Sampler Name:			Fax #:	Ò	土	
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING	(<u>P</u> —	
		ER R		ρ		
Lab I.D.	Sample I.D.	(G)RAB OR (C # CONTAINER GROUNDWAT WASTEWATE SOIL CRUDE OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:		100	
1-5885	# W.B. Sludge	2		1:05	1	
, 10	# W 12.10 W. O. T.	1-101-1×		3	<u> </u>	
	するときつい		< 7	+	+	
6	#5 03(15 Sel/14n+			1.30 V		
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2 2		Received By:		tasuk:	OND SEAD	Add'l Phone #: Add'l Fax #:
Railingulaines Ey:		Received By: (Lab Staff		j	1	
Delivered By: Sampler , UPS -	(Circle One)	Sample Condition	on CHECKED BY: (Instals)			
a lenifred 4	Continued acceptation of section of sections of the section of the	The state of the s	r and outs			

District I - (505) 393-6161 2 O. Box 1980 Hobbs, 14M 88241-1980 District II - (505) 748-1283 3 5. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origii Plus 1 Co to appropria District Off

DECLIECTED ADDDONAL TO ACCEPT SOLID WASTE

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator HALIBURTON SERVICES 5801 LOVINGTON H
Verbal Approval Received: Yes No 🗵	5. Originating Site HOBBS, NM 88240
2. Management Facility Destination CONTROLLED RECOVERY, INC.	6. Transporter CRI
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) EDDY COUNTY (SEE AT	TACHED) NEW MEXICO
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
	Tor dansport.
BRIEF DESCRIPTION OF MATERIAL:	
01-008	
CONTAMINATED SOIL	
THE MATERIAL WAS GENERATED BY VEHICLE ACCIDENT-SPILI	
I AM ENCLOSING A CERTIFICATE OF WASTE STATUS, MSDS SHE LETTER FROM SAFETY AND ENVRIONMENTAL SOLUTIONS.	EETS, AND
Estimated Volume 32-35 CUBIC YARDSy Known Volume (to be entered by the open	
SIGNATURE: Waste Management Facility Authorized Agent Waste Management Facility Authorized Agent	EPER DATE: 1-24-01
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPHONE NO. <u>(505)</u> 393-1079
(This space for State Use)	
APPROVED BY: TITLE:	DATE:
APPROVED BY: Mortyn Ship. TITLE: Environ	muhilosolys L DATE: 1-29-01

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Haliburton Services
ADDRESS 5801 Lovington Hwy. Hobbs. NM 88240
GENERATING SITE GPS 32°00' 22.3", 103° 45' 43.7"
COUNTY Eddy STATE NM
TYPE OF WASTE Contaminated Soil
ESTIMATED VOLUME 32-35 cubic yards
GENERATING PROCESS Vehicle accident - spill
•
·
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY CRI
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's
(EPA) July 1988 Regulatory Determination. To my knowledge, this waste
will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous
or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C
and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
$\langle \mathcal{L}, \mathcal{D} \mathcal{D}, \mathcal{D} \rangle$
AGENT SIGNATURE
NAME Bob Allen
PRINTED
ADDRESS P.O. Box 1613
Hobbs, NM 88240
No. 3 Person



P.O. Box 1513 703 E. Clinton Suite 103 Hobbs, New Mexico 88240 505/397-0510 Fax 505/393-4388 www.sesi-nm.com

Safety & Environmental Solutions, Inc.

January 22, 2001

Controlled Recovery , Inc. 814 W. Marland Hobbs, New Mexico 88240

Dear Sirs:

Safety & Environmental Solutions, Inc. (SESI) has delivered approximately 32-35 cubic yards of contaminated soil to your facility on January 19, 2001. This soil is contaminated with a diesel fuel solution, sodium hydroxide, and a chlorous acid, sodium salt solution. The MSDSs for these chemicals were forwarded to you on January 19, 2001. SESI field-tested the contaminated soil for pH with no results over 9.5. No field TPH field tests were performed. These chemicals leaked from containers being transported by an overturned Halliburton truck. This soil was contaminated on January 19, 2001. The accident occurred approximately 8 miles west of County Road 1 on State Line Road in Eddy County, New Mexico. The GPS coordinates of the leak site are 32° 00' 22.3°, 103° 49' 43.7°. There are no other contaminates in this soil.

If you have any questions, or I can be of further service, please call.

Sincerely.

Bob Allen CHMM, REM, CET, CES

6 alla

Président

HALLIBURT				TUF Sales Or	RING	G C	Al	LL S	SHE	ET	Date: Land/Wa	1/18/01 ter:
Quote Number: Company:	FOG	Pasourc	-05	اک دعروی ام ا	ace.	FI	Paso "	'13" Fed	K.B. Numl	Well N	umber:	#1
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Company Rep.:	- Dill Howard							Unit T	ype: State:			
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Slick		13 Tanl			476.0							SI 8,500
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Prop. Type	Econone					00 Surf		. <u> </u>	R28-LC	Gal/Lb	520	
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Surfactant	HC-2	Gai/L				00 Surfa				Gal/Lb	0	/1000
Fluid Loss	1.00.4	Gal/L				00 Fluid				Gal/Lb		/1000
Gelling Agent	LGC-4	Gal/L				00 Gelli				Gal/Lb	0	/1000
Breaker Type	Vicon N	Gal/L			3 /10	00 Brea	Ker I			Gal/Lb	78	0.3 /1000
Breaker Type		Gal/L				00 Acid			5% Fer Vo			llons
CrossLinker	BC-200	Gal/L				00 Iron				Gal/Lb	6	3 /1000
Foamer	CAT-3	Gal/L				00 Iron				Gal/Lb	6.6	3,3 /1000
Buffer Type		Gal/L				00 Buffe				Gal/Lb	2	/1000
Buffer Type		Gal/L				00 Buffe				Gal/Lb	4	2 /1000
Clay Control	ClaStaX	Gal/L				00 Clay				Gal/Lb	2	1/1000
<u>Other</u>	BE-5	Gal/L				00 Othe				Gal/Lb	6.	3 /1000
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Carmella Van Maanen

From:

"Stephen Bailey" <Stephen.Bailey@Halliburton.com>

To:

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"CRI" <crihobbs@leaco.net>

Cc:

"Daniel Coulson" < Daniel.Coulson@Halliburton.com>; "Sherman Pierce"

<Sherman.Pierce@Halliburton.com>; "Phillip Molina" <Phillip.Molina@Halliburton.com>

Sent:

Friday, January 19, 2001 8:33 AM

Attach:

BC-140.txt; BC-200.txt; DIESEL FUEL.txt; HC-2.txt; MO-67.txt; VICON NF BREAKER.txt

Subject:

1-119-01 Halliburton Chemical Spill MSDS

CRI, Dave,

Below are the msds sheets on the chemicals that got spilled when we had a vehicle accident. I'm requesting that we can get emergency approval to dispose of the contaminated soil as a result of the clean up. Please review the msds sheets and let me know what we will be able to do. My phone numbers are listed below. If you have any trouble pulling the msds sheets off, let me know.

Thank You,

Stephen Bailey
Shared Services Supervisor
Hobbs, NM
505-392-0701 Work
505-631-1817 Cellphone
505-392-7062 Fax
505-738-1123 Home

- > -----Original Message-----
- > From: Eddie Hopper
- > Sent: Friday, January 19,2001 6:43 AM
- > To: Stephen Bailey
- > Subject:

>

- > <<BC-140.txt>> <<BC-200.txt>> <<DIESEL FUEL.txt>> <<HC-2.txt>>
- > << MO-67.txt>> << VICON NF BREAKER.txt>>
- > Thank you.

>

- > Eddie Hopper
- > Phone: 505-392-0746
- > Pager: 888-510-6675
- > Cell: 505-390-1609
- > Fax: 505-392-7062
- > Home: 505-392-5419

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Revised: 2000-04-07

Product: MO-67

MATERIAL SAFETY DATA SHEET

MO-67

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Revision Date: 03/22/2000 Date of Printing: 04/10/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: MO-67

Synonyms: None

Chemical Family: Not determined

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

<u>Sodium hydroxide</u> 1310-73-2 10 -30%

Not applicable2 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause respiratory irritation. May cause eye and skin burns.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical

attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at

least 15 minutes. Get medical attention. Remove contaminated clothing a nd

launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with p lenty of

water for at least 15 minutes and get medical attention immediately aft er

flushing.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or mil \boldsymbol{k} and

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seek medical attention. Never give anything by mouth to an unconscious person. Notes to Physician Not Applicable FIRE FIGHTING MEASURES Flash Point/Range (F): Not Determined Flash Point/Range (C): Not Determined Flash Point Method: Not Determined Autoignition Temperature (F): Not Determined Autoignition Temperature (C): Not Determined Flammability Limits in Air - Lower (%): Not Determined Flammability Limits in Air - Upper (%): Not Determined Fire Extinguishing Media All standard firefighting media. Special Exposure Hazards May form explosive mixtures with strong acids. Decomposition in fire ma y produce toxic gases. Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatu required for fire fighting personnel. NFPA Ratings: Health 3, Flammability 0, Reactivity 1 HMIS Ratings: Not Determined ACCIDENTAL RELEASE MEASURES Personal Precautionary Measures Use appropriate protective equipment. Environmental Precautionary Measures None known. Procedure for Cleaning/Absorption Isolate spill and stop leak where safe. Neutralize to pH of 6-8. HANDLING AND STORAGE Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Storage Information Store away from acids. Store in a cool well ventilated area. Keep conta iner closed when not in use. EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation. Respiratory Protection Dust/mist respirator. Hand Protection Impervious rubber gloves. Skin Protection Full protective clothing. Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

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Other Precautions
Eyewash fountains and safety showers must be easily accessible.
     PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Liquid
Color: Clear colorless
Odor: Odorless
pH: 14
Specific Gravity @ 20 C (Water=1): 1.27
Density @ 20 C (lbs./gallon): 10.62
Bulk Density @ 20 C (lbs/ft3): Not Determined
Boiling Point/Range (F): 234
Boiling Point/Range (C): 112
Freezing Point/Range (F): 7
Freezing Point/Range (C): -14
Vapor Pressure @ 20 C (mmHg): 12
Vapor Density (Air=1): Not Determined
Percent Volatiles: >70
Evaporation Rate (Butyl Acetate=1): Not Determined
Solubility in Water (g/100ml): Soluble
Solubility in Solvents (q/100ml): Not Determined
Solubility in Sea Water (g/100ml): Not Determined
VOCs (lbs./gallon): Not Determined
Viscosity, Dynamic @ 20 C
(centipoise): Not Determined
Viscosity, Kinematic @ 20 C
(centistrokes): Not Determined
Partition Coefficient/n-Octanol/Water: Not Determined
Molecular Weight (q/mole): 39.9
      STABILITY AND REACTIVITY
Stability Data: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid
None anticipated
Incompatibility (Materials to Avoid)
Contact with acids. Amphoteric metals such as aluminum, magnesium, lead
, tin, or
zinc.
Hazardous Decomposition Products
None known.
Additional Guidelines
Not Applicable
      TOXICOLOGICAL INFORMATION
Principle Route of Exposure
Eye contact. Inhalation. Skin contact.
Inhalation
Causes severe respiratory irritation.
Skin Contact
Causes severe burns.
Eye Contact
May cause severe eye irritation. May cause eye burns.
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Ingestion

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Causes burns of the mouth, throat and stomach.
Aggravated Medical Conditions
Skin disorders.
Chronic Effects/Carcinogenicity
Prolonged, excessive exposure may cause erosion of the teeth.
Other Information
None known.
Toxicity Tests
Oral Toxicity: Not determined.
Dermal Toxicity: Not determined
Inhalation Toxicity: Not determined
Primary Irritation Effect: Not determined
Carcinogenicity: Not determined
Genotoxicity: Not determined
Reproductive/Developmental
Toxicity: Not determined
12.
      ECOLOGICAL INFORMATION
Mobility (Water/Soil/Air)
Not determined
Persistence/Degradability
Not determined
Bio-accumulation
Not Determined
Ecotoxicological Information
Acute Fish Toxicity: Not determined
Acute Crustaceans Toxicity: Not determined
Acute Algae Toxicity: Not determined
Chemical Fate Information
Not determined
Other Information
Not applicable
      DISPOSAL CONSIDERATIONS
Disposal Method
Follow all applicable community, national or regional regulations regar
waste management methods.
Contaminated Packaging
If empty container retains product residues, all label precautions must
observed. Transport with all closures in place. Return for reuse or d
ispose
according to national or local regulations.
      TRANSPORT INFORMATION
Land Transportation
Sodium Hydroxide Solution, 8, UN1824, II
NAERG 154
Canadian TDG
Sodium Hydroxide Solution, 8, UN1824, II
1824, Sodium Hydroxide Solution, 8, Item 42(b), ADR
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Air Transportation
ICAO/IATA
Sodium Hydroxide Solution, 8, UN1824, II
Sea Transportation
IMDG
Sodium Hydroxide Solution, 8, UN1824, II
EMS 8-06, MFAG 705
Other Shipping Information
Labels: Corrosive
      REGULATORY INFORMATION
US Regulations
US TSCA Inventory
All components listed on inventory.
EPA SARA Title III Extremely Hazardous Substances
Not applicable
EPA SARA (311,312) Hazard Class
Acute Health Hazard
EPA SARA (313) Chemicals
This product contains toxic chemical(s) listed below which is(are) subj
the reporting requirements of Section 313 of Title III of SARA and 40 C
FR Part
372:
Sodium Hydroxide//1310-73-2
EPA CERCLA/Superfund Reportable Spill Quantity For This Product
EPA Reportable Spill Quantity is 376 Gallons based on Sodium hydroxide
1310-73-2).
EPA RCRA Hazardous Waste Classification
If product becomes a waste, it does meet the criteria of a hazardous wa
defined by the US EPA, because of:
-Corrosivity
California Proposition 65
All components listed do not apply to the California Proposition 65 Reg
ulation.
MA Right-to-Know Law
One or more components listed.
NJ Right-to-Know Law
One or more components listed.
PA Right-to-Know Law
One or more components listed.
Canadian Regulations
Canadian DSL Inventory
All components listed on inventory.
WHMIS Hazard Class
\mathbf{E}
     Corrosive Material
      OTHER INFORMATION
The following sections have been revised since the last issue of this M
SDS
Not applicable
```

Additional Information

For additional information on the use of this product, contact your loc al

Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton

products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, a s to

accuracy or completeness. The information is obtained from various sources

including the manufacturer and other third party sources. The information may

not be valid under all conditions nor if this material is used in combination

with other materials or in any process. Final determination of suitability of

any material is the sole responsibility of the user.

END OF MSDS

MO-67

Page 1 Of 1

MO-67

Page 1 Of 1

Back To Start

VICON NF BREAKER

Revised: 2000-03-23

Product: VICON NF BREAKER

MATERIAL SAFETY DATA SHEET

VICON NF BREAKER

Revision Date: 03/23/2000 Date of Printing: 03/23/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: VICON NF BREAKER

Synonyms: None

Chemical Family: Not determined

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

Chlorous acid, sodium salt 7758-19-2 30 - 60%

Not applicableNot applicable Sodium chloride 7647-14-5 1 - 5%

Not applicableNot applicable Sodium chlorate 7775-09-9 1 - 5%

Not applicableNot applicable Sodium sulfate 7757-82-6 0.1 - 1%

Not applicableNot applicable

HAZARDS IDENTIFICATION

Hazard Overview

May cause respiratory irritation. May cause eye and skin burns. May be fatal if

inhaled. Oxidizer.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get m edical

attention.

Skin

VICON NF BREAKER

In case of contact, immediately flush skin with plenty of soap and wate r for at least 15 minutes. Get medical attention. Remove contaminated clothing a launder before reuse. In case of contact, or suspected contact, immediately flush eyes with p water for at least 15 minutes and get medical attention immediately aft er flushing. Ingestion Do not induce vomiting. Slowly dilute with 1-2 glasses of water or mil seek medical attention. Never give anything by mouth to an unconscious person. Notes to Physician Chlorine dioxide vapors are emitted when this product contacts acids or If these vapors are inhaled, monitor patient for delayed dev elopment of pulmonary edema, which may occur up to 48-72 hours post inhalation. Following ingestion, neutralization and use of activated charcoal is not indicate d. 5. FIRE FIGHTING MEASURES Flash Point/Range (F): Not Determined Flash Point/Range (C): Not Determined Flash Point Method: Not Determined Autoignition Temperature (F): Not Determined Autoignition Temperature (C): Not Determined Flammability Limits in Air - Lower (%): Not Determined Flammability Limits in Air - Upper (%): Not Determined Fire Extinguishing Media All standard firefighting media. Use water spray to cool fire exposed s urfaces. Special Exposure Hazards Product is not expected to burn unless all the water is boiled away. Ma explosive mixtures with organic and combustible materials. Decompositio n in fire may produce toxic gases. Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatu required for fire fighting personnel. NFPA Ratings: Health 1, Flammability 1, Reactivity 1

HMIS Ratings: Not Determined

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment. Wear self-contained breathing app

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aratus in
enclosed areas.
Environmental Precautionary Measures
Prevent from entering sewers, waterways or low areas.
Procedure for Cleaning/Absorption
Contain spill with sand or other inert materials. Isolate spill and sto
p leak
where safe.
     HANDLING AND STORAGE
Handling Precautions
Avoid contact with eyes, skin, or clothing.
Storage Information
Store away from acids. Store away from reducing agents. Store away from
sunlight. Keep from excessive heat. Product has a shelf life of 24 mont
8.
     EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering Controls
Use in a well ventilated area.
Respiratory Protection
Organic vapor/acid gas/chlorine respirator.
Hand Protection
Neoprene gloves.
Skin Protection
Neoprene coated apron or clothing.
Eye Protection
Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions
Eyewash fountains and safety showers must be easily accessible.
     PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Liquid
Color: Clear tan
Odor: Mild chlorine
pH: 12
Specific Gravity @ 20 C (Water=1): 1.2
Density @ 20 C (lbs./gallon): 10.0
Bulk Density @ 20 C (lbs/ft3): Not Determined
Boiling Point/Range (F): Not Determined
Boiling Point/Range (C): Not Determined
Freezing Point/Range (F): Not Determined
Freezing Point/Range (C): Not Determined
Vapor Pressure @ 20 C (mmHg): Not Determined
Vapor Density (Air=1): Not Determined
Percent Volatiles: <74
Evaporation Rate (Butyl Acetate=1): Not Determined
Solubility in Water (g/100ml): 100
Solubility in Solvents (g/100ml): Not Determined
Solubility in Sea Water (g/100ml): Not Determined
VOCs (lbs./gallon): Not Determined
Viscosity, Dynamic @ 20 C
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(centipoise): Not Determined

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Viscosity, Kinematic @ 20 C
(centistrokes): Not Determined
Partition Coefficient/n-Octanol/Water: Not Determined
Molecular Weight (g/mole): 90.45
      STABILITY AND REACTIVITY
10.
Stability Data: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid
Keep away from any contact with water. Keep away from heat, sparks and
flame.
Avoid contact with organic materials. Avoid friction.
Incompatibility (Materials to Avoid)
Contact with oxidizing agents. Prolonged contact with aluminum. Contact
 with
metals. Organic matter. Contact with ammonia. All flammables, especiall
petroleum products, asphalt & other volatile flammables. Ammonium compo
Hazardous Decomposition Products
Chlorine.
Additional Guidelines
Not Applicable
      TOXICOLOGICAL INFORMATION
Principle Route of Exposure
Eye contact. Inhalation. Skin contact.
Inhalation
Causes severe respiratory irritation.
Skin Contact
Causes severe burns.
Eye Contact
May cause eye burns.
Ingestion
May cause abdominal pain, vomiting, nausea, and diarrhea. Causes burns
of the
mouth, throat and stomach.
Aggravated Medical Conditions
None known. Blood disorders.
Chronic Effects/Carcinogenicity
Prolonged or repeated exposure may cause damage to the thyroid gland. P
rolonged
or repeated exposure may cause adverse effects on the blood.
Other Information
None known.
Toxicity Tests
Oral Toxicity: LD50: 350 mg/kg (Rat)
Dermal Toxicity: Not determined
Inhalation Toxicity: Not determined
Primary Irritation Effect: Not determined
Carcinogenicity: Not determined
Genotoxicity: Not determined
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Reproductive/Developmental

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Toxicity: Not determined
12. ECOLOGICAL INFORMATION
Mobility (Water/Soil/Air)
Not determined
Persistence/Degradability
Not determined
Bio-accumulation
Not Determined
Ecotoxicological Information
Acute Fish Toxicity: TLM96: 290 mg/l (Oncorhynchus mykiss) TLM96: 208 m
(Lepomis macrochirus)
Acute Crustaceans Toxicity: TLM96: 0.29 mg/l (Daphnia magna)
Acute Algae Toxicity: Not determined
Chemical Fate Information
Not determined
Other Information
Not applicable
      DISPOSAL CONSIDERATIONS
13.
Disposal Method
Follow all applicable community, national or regional regulations regar
waste management methods.
If not contaminated, reuse product.
Contaminated Packaging
If empty container retains product residues, all label precautions must
observed. Transport with all closures in place. Return for reuse or d
ispose
according to national or local regulations.
      TRANSPORT INFORMATION
Land Transportation
DOT
Chlorite Solution, 8, UN1908, III
(14% Available Chlorine)
NAERG 154
Canadian TDG
Chlorite Solution, 8, UN1908, III
(14% Available Chlorine)
ADR
1908, Chlorite Solution, 8, Item 61(c), ADR
(14% Available Chlorine)
Air Transportation
ICAO/IATA
Chlorite Solution, 8, UN1908, III
(14% Available Chlorine)
Sea Transportation
Chlorite Solution (14% Available Chlorine), 8, UN1908, III
EMS 8-06, MFAG 741
Other Shipping Information
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Labels: Corrosive REGULATORY INFORMATION 15. US Regulations US TSCA Inventory All components listed on inventory. EPA SARA Section 302 Not applicable EPA SARA (311,312) Hazard Class Acute Health Hazard EPA SARA (313) Chemicals This product does not contain a toxic chemical for routine annual "Toxi Chemical Release Reporting" under Section 313 (40 CFR 372). EPA RCRA Hazardous Waste Classification If product becomes a waste, it does meet the criteria of a hazardous wa ste as defined by the US EPA, because of: ,Corrosivity California Proposition 65 All components listed do not apply to the California Proposition 65 Reg ulation. MA Right-to-Know Law One or more components listed. NJ Right-to-Know Law One or more components listed. PA Right-to-Know Law One or more components listed. Canadian Regulations WHMIS Hazard Class Corrosive Material D2B Toxic Materials Canadian DSL Inventory All components listed on inventory. WHMIS Trade Secret None OTHER INFORMATION The following sections have been revised since the last issue of this M SDS Not applicable Additional Information For additional information on the use of this product, contact your loc al Halliburton representative. For questions about the Material Safety Data Sheet for this or other Ha lliburton products, contact Product Stewardship at 1-580-251-4335. Disclaimer Statement This information is furnished without warranty, expressed or implied, a accuracy or completeness. The information is obtained from various sou

rces

VICON NF BREAKER

including the manufacturer and other third party sources. The informat ion may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

END OF MSDS
VICON NF BREAKER
Page 1 Of 1
VICON NF BREAKER
Page 1 Of 1

Back To Start

Revised: 2000-05-15 Product: BC-200

MATERIAL SAFETY DATA SHEET

BC-200

Revision Date: 05/15/2000 Date of Printing: 05/15/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: BC-200

Synonyms: None

Chemical Family: Blend Application: Crosslinker Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

Diesel

68476-34-6

30 - 60%

Not applicableNot applicable

Borate salts

30 - 60%

Not applicableNot applicable

HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin and respiratory irritation. May cause headache, diz ziness,

and other central nervous system effects. Combustible.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical

attention.

Skin

Wash with soap and water. Get medical attention if irritation persists. Eves

In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

Ingestion

Get medical attention! If vomiting occurs, keep head lower than hips to prevent

aspiration. Notes to Physician Not Applicable FIRE FIGHTING MEASURES Flash Point/Range (F): 148 Flash Point/Range (C): 64 Flash Point Method: Not Determined Autoignition Temperature (F): Not Determined Autoignition Temperature (C): Not Determined Flammability Limits in Air - Lower (%): Not Determined Flammability Limits in Air - Upper (%): Not Determined Fire Extinguishing Media Water. Carbon Dioxide, Dry Chemicals, Foam. Use water spray to cool fir e exposed surfaces. Special Exposure Hazards May be ignited by heat, sparks or flames. Closed containers may explode Decomposition in fire may produce toxic gases. Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatu required for fire fighting personnel. NFPA Ratings: Health 1, Flammability 1, Reactivity 0 HMIS Ratings: Flammability 1, Reactivity 0, ACCIDENTAL RELEASE MEASURES Personal Precautionary Measures Use appropriate protective equipment. Wear self-contained breathing app aratus in enclosed areas. Environmental Precautionary Measures Prevent from entering sewers, waterways or low areas. Procedure for Cleaning/Absorption Isolate spill and stop leak where safe. Remove ignition sources and wor k with non-sparking tools. Contain spill with sand or other inert materials. S coop up and remove. HANDLING AND STORAGE Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Was h hands after use. Launder contaminated clothing before reuse. Storage Information Store away from oxidizers. Keep from heat, sparks, and open flames. Kee container closed when not in use. Product has a shelf life of 6 months EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used

in areas

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without good cross ventilation.
Respiratory Protection
Organic vapor respirator with a dust/mist filter.
Hand Protection
Impervious rubber gloves.
Skin Protection
Rubber apron.
Eye Protection
Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions
Eyewash fountains and safety showers must be easily accessible.
     PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Liquid
Color: Brown
Odor: Diesel
pH: 10
Specific Gravity @ 20 C (Water=1): 1.39
Density @ 20 C (lbs./gallon): 11.58
Bulk Density @ 20 C (lbs/ft3): Not Determined
Boiling Point/Range (F): Not Determined
Boiling Point/Range (C): Not Determined
Freezing Point/Range (F): Not Determined
Freezing Point/Range (C): Not Determined
Vapor Pressure @ 20 C (mmHg): Not Determined
Vapor Density (Air=1): Not Determined
Percent Volatiles: Not Determined
Evaporation Rate (Butyl Acetate=1): Not Determined
Solubility in Water (g/100ml): Insoluble
Solubility in Solvents (g/100ml): Not Determined
Solubility in Sea Water (g/100ml): Not Determined
VOCs (lbs./gallon): Not Determined
Viscosity, Dynamic @ 20 C
(centipoise): Not Determined
Viscosity, Kinematic @ 20 C
(centistrokes): Not Determined
Partition Coefficient/n-Octanol/Water: Not Determined
Molecular Weight (g/mole): Not Determined
      STABILITY AND REACTIVITY
Stability Data: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid
Keep away from heat, sparks and flame.
Incompatibility (Materials to Avoid)
Strong oxidizers.
Hazardous Decomposition Products
Carbon monoxide and carbon dioxide.
Additional Guidelines
Not Applicable
11.
      TOXICOLOGICAL INFORMATION
Principle Route of Exposure
Eye or skin contact, inhalation.
```

Inhalation

May cause respiratory irritation. May cause central nervous system depression

including headache, dizziness, drowsiness, incoordination, slowed react ion time,

slurred speech, giddiness and unconsciousness.

Skin Contact

May be absorbed through the skin and contribute to the symptoms listed under

ingestion. May cause severe skin irritation.

Eye Contact

May cause eye irritation.

Ingestion

A burning feeling in the Stomach Aspiration into the lungs may cause chemical

pneumonitis including coughing, difficulty breathing, wheezing, coughing up

blood and pneumonia, which can be fatal.

Aggravated Medical Conditions

Skin disorders.

Chronic Effects/Carcinogenicity

Limited studies on oils that are very active carcinogens have shown was hing the

animals' skin with soap and water between applications greatly decrease s the

incidence of tumors. In light of these studies, good personal hygiene is

essential with the use of this product.

Other Information

None known.

Toxicity Tests

Oral Toxicity: Not determined.
Dermal Toxicity: Not determined
Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity: Not determined Genotoxicity: Not determined Reproductive/Developmental Toxicity: Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)

Not determined

Persistence/Degradability

Not determined Bio-accumulation

Dio accumulatio

Not Determined

Ecotoxicological Information

Acute Fish Toxicity: Not determined

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Chemical Fate Information

 Not determined Other Information Not applicable DISPOSAL CONSIDERATIONS Disposal Method Follow all applicable community, national or regional regulations regar waste management methods. Contaminated Packaging If empty container retains product residues, all label precautions must Transport with all closures in place. Return for reuse or d observed. isposal according to national or local regulations. TRANSPORT INFORMATION Land Transportation DOT Not restricted DOT (Bulk) Diesel Fuel Solution, Combustible Liquid, NA1993, III Canadian TDG Not restricted ADR Not restricted Air Transportation ICAO/IATA Not restricted Sea Transportation IMDG Not restricted Other Shipping Information Labels: None REGULATORY INFORMATION US Regulations US TSCA Inventory All components listed on inventory. EPA SARA Title III Extremely Hazardous Substances Not applicable EPA SARA (311,312) Hazard Class Acute Health Hazard Chronic Health Hazard Fire Hazard EPA SARA (313) Chemicals This product does not contain a toxic chemical for routine annual "Toxi Chemical Release Reporting" under Section 313 (40 CFR 372). EPA CERCLA/Superfund Reportable Spill Quantity For This Product Not applicable. EPA RCRA Hazardous Waste Classification If product becomes a waste, it does NOT meet the criteria of a hazardou

s waste

as defined by the US EPA.

California Proposition 65

All components listed do not apply to the California Proposition 65 Reg ulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

Product contains one or more components not listed on inventory.

WHMIS Hazard Class

B3 Combustible Liquids

D2B Toxic Materials

16. OTHER INFORMATION

The following sections have been revised since the last issue of this ${\tt M}$ SDS

Not applicable

Additional Information

For additional information on the use of this product, contact your loc al

Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton

products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

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accuracy or completeness. The information is obtained from various sources

including the manufacturer and other third party sources. The informat ion may

not be valid under all conditions nor if this material is used in combination

with other materials or in any process. Final determination of suitability of

any material is the sole responsibility of the user.

END OF MSDS

BC-200

Page 1 Of 1

BC-200

Page 1 Of 1

Back To Start

Revised: 2000-04-07 Product: BC-140

MATERIAL SAFETY DATA SHEET

BC-140

Revision Date: 03/10/2000 Date of Printing: 04/10/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: BC-140

Synonyms: None

Chemical Family: Not determined

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

Boric acid 10043-35-3

10 -30%

Not applicableNot applicable Ethylene glycol 107-21-1 10 -30%

Not applicableNot applicable
Monoethanolamine
141-43-5
10 -30%

3 ppm, 7.5 mg/m33 ppm, 6 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin and respiratory irritation. May cause birth defects . May

cause headache, dizziness, and other central nervous system effects.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical

attention.

Skin

In case of contact, immediately flush skin with plenty of soap and wate r for at

least 15 minutes. Get medical attention. Remove contaminated clothing a nd

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launder before reuse.
In case of contact, or suspected contact, immediately flush eyes with p
lenty of
water for at least 15 minutes and get medical attention immediately aft
flushing.
Ingestion
Do not induce vomiting. Slowly dilute with 1-2 glasses of water or mil
seek medical attention. Never give anything by mouth to an unconscious
 person.
Notes to Physician
Not Applicable
     FIRE FIGHTING MEASURES
Flash Point/Range (F): Not Determined
Flash Point/Range (C): Not Determined
Flash Point Method: Not Determined
Autoignition Temperature (F): Not Determined
Autoignition Temperature (C): Not Determined
Flammability Limits in Air - Lower (%): Not Determined
Flammability Limits in Air - Upper (%): Not Determined
Fire Extinguishing Media
Water. Carbon Dioxide, Dry Chemicals, Foam.
Special Exposure Hazards
Decomposition in fire may produce toxic gases.
Special Protective Equipment for Fire-Fighters
Full protective clothing and approved self-contained breathing apparatu
required for fire fighting personnel.
NFPA Ratings: Health 1, Flammability 0, Reactivity 0
HMIS Ratings: Not Determined
6.
     ACCIDENTAL RELEASE MEASURES
Personal Precautionary Measures
Use appropriate protective equipment.
Environmental Precautionary Measures
None known.
Procedure for Cleaning/Absorption
Contain spill with sand or other inert materials. Isolate spill and sto
p leak
where safe.
     HANDLING AND STORAGE
Handling Precautions
Avoid dust accumulations. Avoid breathing vapors.
Storage Information
Store away from oxidizers. Store in a cool well ventilated area. Keep c
ontainer
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closed when not in use. Product has a shelf life of 36 months

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use in a well ventilated area. Local exhaust ventilation should be used

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in areas
  without good cross ventilation.
  Respiratory Protection
  Organic vapor respirator.
  Hand Protection
  Impervious rubber gloves.
  Skin Protection
  Rubber apron.
  Eve Protection
  Chemical goggles; also wear a face shield if splashing hazard exists.
  Other Precautions
  Eyewash fountains and safety showers must be easily accessible.
  9.
       PHYSICAL AND CHEMICAL PROPERTIES
  Physical State: Liquid
  Color: Dark
  Odor: Strong offensive
→ pH: 7.28
  Specific Gravity @ 20 C (Water=1): 1.22
  Density @ 20 C (lbs./gallon): 10.16
  Bulk Density @ 20 C (lbs/ft3): Not Determined
  Boiling Point/Range (F): Not Determined
  Boiling Point/Range (C): Not Determined
  Freezing Point/Range (F): Not Determined
  Freezing Point/Range (C): Not Determined
  Vapor Pressure @ 20 C (mmHg): Not Determined
  Vapor Density (Air=1): Not Determined
  Percent Volatiles: Not Determined
  Evaporation Rate (Butyl Acetate=1): Not Determined
  Solubility in Water (g/100ml): Not Determined
  Solubility in Solvents (g/100ml): Not Determined
  Solubility in Sea Water (g/100ml): Not Determined
  VOCs (lbs./gallon): Not Determined
  Viscosity, Dynamic @ 20 C
  (centipoise): Not Determined
  Viscosity, Kinematic @ 20 C
  (centistrokes): Not Determined
  Partition Coefficient/n-Octanol/Water: Not Determined
  Molecular Weight (g/mole): Not Determined
        STABILITY AND REACTIVITY
  Stability Data: Stable
  Hazardous Polymerization: Will Not Occur
  Conditions to Avoid
  None anticipated
  Incompatibility (Materials to Avoid)
  Contact with oxidizing agents. Dehydrating agents.
  Hazardous Decomposition Products
  Carbon monoxide. Carbon dioxide. Toxic fumes.
  Additional Guidelines
  Not Applicable
        TOXICOLOGICAL INFORMATION
  Principle Route of Exposure
```

Eye contact. Inhalation. Skin contact.

Inhalation

Excessive inhalation causes headache, dizziness, nausea and incoordinat ion.

Skin Contact

May cause skin irritation.

Eye Contact

May cause severe eye irritation.

Ingestion

May cause kidney damage. May affect the heart and cardiovascular system . May

cause brain disorders.

Aggravated Medical Conditions

Skin disorders. Eye ailments. Liver disorders.

Chronic Effects/Carcinogenicity

Prolonged or repeated exposure may cause kidney damage. Prolonged or repeated

exposure may cause reproductive system damage. Prolonged or repeated exposure

may cause liver, heart, blood and brain damage. Prolonged or repeated e xposure

may cause embryo and fetus toxicity.

Other Information

None known.

Toxicity Tests

Oral Toxicity: Not determined.

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity: Not determined Genotoxicity: Not determined Reproductive/Developmental

Toxicity: Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not Determined

Ecotoxicological Information

Acute Fish Toxicity: Not determined

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

Follow all applicable community, national or regional regulations regar

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waste management methods.
Contaminated Packaging
If empty container retains product residues, all label precautions must
           Transport with all closures in place.
                                                  Return for reuse or d
observed.
ispose
according to national or local regulations.
      TRANSPORT INFORMATION
Land Transportation
DOT
Not restricted
Canadian TDG
Not restricted
ADR
Not restricted
Air Transportation
ICAO/IATA
Not restricted
Sea Transportation
IMDG
Not restricted
Other Shipping Information
Labels: None
      REGULATORY INFORMATION
US Regulations
US TSCA Inventory
All components listed on inventory.
EPA SARA Title III Extremely Hazardous Substances
Not applicable
EPA SARA (311,312) Hazard Class
Acute Health Hazard
Chronic Health Hazard
EPA SARA (313) Chemicals
This product contains toxic chemical(s) listed below which is(are) subj
the reporting requirements of Section 313 of Title III of SARA and 40 C
FR Part
372:
Ethylene Glycol//107-21-1
EPA CERCLA/Superfund Reportable Spill Quantity For This Product
EPA Reportable Spill Quantity is 1674 Gallons based on Ethylene glycol
(CAS:
107-21-1).
EPA RCRA Hazardous Waste Classification
If product becomes a waste, it does NOT meet the criteria of a hazardou
s waste
as defined by the US EPA.
California Proposition 65
All components listed do not apply to the California Proposition 65 Reg
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ulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class

D2B Toxic Materials

16. OTHER INFORMATION

The following sections have been revised since the last issue of this M ${\ \rm SDS}$

Not applicable

Additional Information

For additional information on the use of this product, contact your loc al

Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton

products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

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accuracy or completeness. The information is obtained from various sources

including the manufacturer and other third party sources. The informat ion may

not be valid under all conditions nor if this material is used in combination

with other materials or in any process. Final determination of suitability of

any material is the sole responsibility of the user.

END OF MSDS

BC-140

Page 1 Of 1

BC-140

Page 1 Of 1

Back To Start

Revised: 2000-03-10 Product: DIESEL FUEL

MATERIAL SAFETY DATA SHEET

DIESEL FUEL

Revision Date: 03/10/2000 Date of Printing: 03/10/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: DIESEL FUEL Synonyms: None

Chemical Family: Not determined

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

Diesel 68476-34-6

60 - 100%

Not applicableNot applicable

HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin and respiratory irritation. Combustible. May cause headache,

dizziness, and other central nervous system effects.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get m edical

attention.

Skin

Wash with soap and water.

Eyes

In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

Ingestion

Get medical attention! If vomiting occurs, keep head lower than hips to prevent

aspiration.

Notes to Physician

Not Applicable

FIRE FIGHTING MEASURES

DIESEL FUEL

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Flash Point/Range (F): Not Determined Min: 150
Flash Point/Range (C): Not Determined Min: 65
Flash Point Method: Not Determined
Autoignition Temperature (F): 495
Autoignition Temperature (C): 257
Flammability Limits in Air - Lower (%): 0.7
Flammability Limits in Air - Upper (%): 6
Fire Extinguishing Media
Water. Carbon Dioxide, Dry Chemicals, Foam. Use water spray to cool fir
e exposed
surfaces.
Special Exposure Hazards
Closed containers may explode in fire. May be ignited by heat, sparks o
r flames.
Decomposition in fire may produce toxic gases.
Special Protective Equipment for Fire-Fighters
Full protective clothing and approved self-contained breathing apparatu
required for fire fighting personnel.
NFPA Ratings: Health 1, Flammability 2, Reactivity 0
HMIS Ratings: Not Determined
     ACCIDENTAL RELEASE MEASURES
Personal Precautionary Measures
Use appropriate protective equipment. Wear self-contained breathing app
aratus in
enclosed areas.
Environmental Precautionary Measures
None known.
Procedure for Cleaning/Absorption
Isolate spill and stop leak where safe.
     HANDLING AND STORAGE
Handling Precautions
Avoid contact with eyes, skin, or clothing. Avoid breathing vapors.
Storage Information
Store away from oxidizers. Keep from heat, sparks, and open flames. Kee
container closed when not in use.
     EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering Controls
Use in a well ventilated area. Local exhaust ventilation should be used
without good cross ventilation. Local exhaust ventilation designed for
combustible atmospheres.
Respiratory Protection
Organic vapor respirator with a dust/mist filter.
Hand Protection
Impervious rubber.
Skin Protection
Rubber apron.
Eye Protection
Chemical goggles; also wear a face shield if splashing hazard exists.
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Other Precautions
Eyewash fountains and safety showers must be easily accessible.
    PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Liquid
Color: Clear colorless
Odor: Amine
pH: Not Determined
Specific Gravity @ 20 C (Water=1): 0.84
Density @ 20 C (lbs./gallon): 7.0
Bulk Density @ 20 C (lbs/ft3): Not Determined
Boiling Point/Range (F): 300
Boiling Point/Range (C): 148
Freezing Point/Range (F): Not Determined
Freezing Point/Range (C): Not Determined
Vapor Pressure @ 20 C (mmHg): 1
Vapor Density (Air=1): Not Determined
Percent Volatiles: 100
Evaporation Rate (Butyl Acetate=1): Not Determined
Solubility in Water (g/100ml): Insoluble
Solubility in Solvents (g/100ml): Not Determined
Solubility in Sea Water (g/100ml): Not Determined
VOCs (lbs./gallon): Not Determined
Viscosity, Dynamic @ 20 C
(centipoise): Not Determined
Viscosity, Kinematic @ 20 C
(centistrokes): 2.0-5.8
Partition Coefficient/n-Octanol/Water: Not Determined
Molecular Weight (g/mole): Not Determined
      STABILITY AND REACTIVITY
Stability Data: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid
Keep away from heat, sparks and flame.
Incompatibility (Materials to Avoid)
Contact with oxidizing agents.
Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide.
Additional Guidelines
Not Applicable
      TOXICOLOGICAL INFORMATION
Principle Route of Exposure
Eye contact. Inhalation. Skin contact.
Inhalation
May cause respiratory irritation. May cause central nervous system depr
including headache, dizziness, drowsiness, incoordination, slowed react
ion time,
slurred speech, giddiness and unconsciousness.
Skin Contact
May cause skin defatting with prolonged exposure. Can dry skin.
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Eye Contact

DIESEL FUEL

May cause eye irritation. Ingestion A burning feeling in the Stomach Aggravated Medical Conditions Skin disorders. Chronic Effects/Carcinogenicity Limited studies on oils that are very active carcinogens have shown was animals' skin with soap and water between applications greatly decrease s the incidence of tumors. In light of these studies, good personal hygiene essential with the use of this product. Other Information None known. Toxicity Tests Oral Toxicity: Not determined. Dermal Toxicity: Not determined Inhalation Toxicity: Not determined Primary Irritation Effect: Not determined Carcinogenicity: Not determined Genotoxicity: Not determined Reproductive/Developmental Toxicity: Not determined ECOLOGICAL INFORMATION Mobility (Water/Soil/Air) Not determined Persistence/Degradability Slowly biodegradable Bio-accumulation Not Determined Ecotoxicological Information Acute Fish Toxicity: Not determined Acute Crustaceans Toxicity: Not determined Acute Algae Toxicity: Not determined Chemical Fate Information Not determined Other Information Not applicable DISPOSAL CONSIDERATIONS Disposal Method Follow all applicable community, national or regional regulations regar waste management methods. Contaminated Packaging Transport with all closures in place. Ret Empty container completely. reuse or dispose in a sanitary landfill according to national or local regulations.

Page 4

TRANSPORT INFORMATION

Land Transportation

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DOT
Not restricted
DOT (Bulk)
Diesel Fuel, Combustible Liquid, NA1993, III
Canadian TDG
Not restricted
ADR
Not restricted
Air Transportation
ICAO/IATA
Not restricted
Sea Transportation
IMDG
Not restricted
Other Shipping Information
Combustible
      REGULATORY INFORMATION
US Regulations
US TSCA Inventory
All components listed on inventory.
EPA SARA Section 302
Not applicable
EPA SARA (311,312) Hazard Class
Acute Health Hazard
Chronic Health Hazard
Fire Hazard
EPA SARA (313) Chemicals
Does not apply.
EPA RCRA Hazardous Waste Classification
If product becomes a waste, it does meet the criteria of a hazardous wa
ste as
defined by the US EPA, because of:
Ignitability
California Proposition 65
All components listed do not apply to the California Proposition 65 Reg
ulation.
MA Right-to-Know Law
Does not apply.
NJ Right-to-Know Law
Does not apply.
PA Right-to-Know Law
Does not apply.
Canadian Regulations
WHMIS Hazard Class
     Combustible Liquids
D2B Toxic Materials
Canadian DSL Inventory
All components listed on inventory.
WHMIS Trade Secret
None
16.
      OTHER INFORMATION
```

DIESEL FUEL

The following sections have been revised since the last issue of this M ${\ \rm SDS}$

Not applicable

Additional Information

For additional information on the use of this product, contact your loc al

Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton

products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

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accuracy or completeness. The information is obtained from various sources

including the manufacturer and other third party sources. The informat ion may

not be valid under all conditions nor if this material is used in combination

with other materials or in any process. Final determination of suitability of

any material is the sole responsibility of the user.

END OF MSDS

DIESEL FUEL

Page 1 Of 1

DIESEL FUEL

Page 1 Of 1

Back To Start

Revised: 2000-03-21

Product: HC-2

MATERIAL SAFETY DATA SHEET

HC-2

Revision Date: 03/21/2000 Date of Printing: 03/21/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: HC-2

Synonyms: None

Chemical Family: Not determined

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By

Product Stewardship

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Weight Percent (%) ACGIH TLV-TWAOSHA PEL-TWA

Inner salt of alkyl amines 30 - 60%

Not applicableNot applicable

Sodium chloride 7647-14-5 5 - 10%

Not applicableNot applicable

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye irritation. May cause skin irritation. May cause headache

dizziness, and other central nervous system effects.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration,

preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical

attention.

Skin

Wash with soap and water.

Eves

In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or mil k and

seek medical attention. Never give anything by mouth to an unconscious

```
person.
  Notes to Physician
  Not Applicable
       FIRE FIGHTING MEASURES
  Flash Point/Range (F): Not Determined Min: 200
  Flash Point/Range (C): Not Determined Min: 93
  Flash Point Method: Not Determined
  Autoignition Temperature (F): Not Determined
  Autoignition Temperature (C): Not Determined
  Flammability Limits in Air - Lower (%): Not Determined
  Flammability Limits in Air - Upper (%): Not Determined
  Fire Extinguishing Media
  Water. Carbon Dioxide, Dry Chemicals, Foam. Use water spray to cool fir
  e exposed
  surfaces.
  Special Exposure Hazards
  Decomposition in fire may produce toxic gases.
  Special Protective Equipment for Fire-Fighters
  Full protective clothing and approved self-contained breathing apparatu
  required for fire fighting personnel.
  NFPA Ratings: Health 1, Flammability 1, Reactivity 0
  HMIS Ratings: Not Determined
       ACCIDENTAL RELEASE MEASURES
  Personal Precautionary Measures
  Use appropriate protective equipment.
  Environmental Precautionary Measures
  None known.
  Procedure for Cleaning/Absorption
  Contain spill with sand or other inert materials. Isolate spill and sto
  p leak
  where safe.
       HANDLING AND STORAGE
  Handling Precautions
  Avoid contact with eyes, skin, or clothing. Avoid breathing vapors.
  Storage Information
∽ Store away from oxidizers. Store in a cool well ventilated area. Keep c
  ontainer
  closed when not in use.
       EXPOSURE CONTROLS/PERSONAL PROTECTION
  Engineering Controls
 Use in a well ventilated area.
 Respiratory Protection
  Organic vapor respirator.
 Hand Protection
 Nbr nitrile gloves.
 Skin Protection
 Rubber apron.
 Eye Protection
 Chemical goggles; also wear a face shield if splashing hazard exists.
 Other Precautions
```

Not Determined PHYSICAL AND CHEMICAL PROPERTIES Physical State: Liquid Color: Light amber Odor: Surfactant pH: 7 Specific Gravity @ 20 C (Water=1): 1.1 Density @ 20 C (lbs./gallon): 9.24 Bulk Density @ 20 C (lbs/ft3): Not Determined Boiling Point/Range (F): Not Determined Boiling Point/Range (C): Not Determined Freezing Point/Range (F): Not Determined Freezing Point/Range (C): Not Determined Vapor Pressure @ 20 C (mmHg): Not Determined Vapor Density (Air=1): Not Determined Percent Volatiles: 60 Evaporation Rate (Butyl Acetate=1): Not Determined Solubility in Water (g/100ml): Soluble Solubility in Solvents (g/100ml): Not Determined Solubility in Sea Water (g/100ml): Miscible VOCs (lbs./gallon): Not Determined Viscosity, Dynamic @ 20 C (centipoise): Not Determined Viscosity, Kinematic @ 20 C (centistrokes): Not Determined Partition Coefficient/n-Octanol/Water: Not Determined Molecular Weight (g/mole): Not Determined STABILITY AND REACTIVITY Stability Data: Stable Hazardous Polymerization: Will Not Occur Conditions to Avoid Keep away from heat, sparks and flame. Incompatibility (Materials to Avoid) Contact with oxidizing agents. Hazardous Decomposition Products Carbon monoxide. Carbon dioxide. Additional Guidelines Not Applicable TOXICOLOGICAL INFORMATION Principle Route of Exposure Eye contact. Inhalation. Skin contact. Inhalation Excessive inhalation causes headache, dizziness, nausea and incoordinat Skin Contact May cause skin defatting with prolonged exposure. Can dry skin. Eye Contact May cause severe eye irritation. May cause corneal injury. Ingestion May cause abdominal pain, vomiting, nausea, and diarrhea. Irritation of the

mouth, throat, and stomach. Aggravated Medical Conditions None known. Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater are chronic health hazards. Other Information None known. Toxicity Tests Oral Toxicity: Not determined. Dermal Toxicity: Not determined Inhalation Toxicity: Not determined Primary Irritation Effect: Not determined Carcinogenicity: Not determined Genotoxicity: Not determined Reproductive/Developmental Toxicity: Not determined ECOLOGICAL INFORMATION Mobility (Water/Soil/Air) Not determined Persistence/Degradability Biodegradable Bio-accumulation Not Determined Ecotoxicological Information Acute Fish Toxicity: Not determined Acute Crustaceans Toxicity: TLM96: 100-330 ppm (Crangon crangon) Acute Algae Toxicity: Not determined Chemical Fate Information Not determined Other Information Not applicable DISPOSAL CONSIDERATIONS Disposal Method Follow all applicable community, national or regional regulations regar dina waste management methods. Contaminated Packaging Empty container completely. Transport with all closures in place. reuse or dispose in a sanitary landfill according to national or local regulations. TRANSPORT INFORMATION Land Transportation DOT Not restricted Canadian TDG

Not restricted

Not restricted

ADR

Air Transportation ICAO/IATA Not restricted Sea Transportation **IMDG** Not restricted Other Shipping Information Labels: None 15. REGULATORY INFORMATION US Regulations US TSCA Inventory All components listed on inventory. EPA SARA Section 302 Not applicable EPA SARA (311,312) Hazard Class Acute Health Hazard EPA SARA (313) Chemicals This product does not contain a toxic chemical for routine annual "Toxi Chemical Release Reporting" under Section 313 (40 CFR 372). EPA RCRA Hazardous Waste Classification If product becomes a waste, it does NOT meet the criteria of a hazardou s waste as defined by the US EPA. California Proposition 65 All components listed do not apply to the California Proposition 65 Reg ulation. MA Right-to-Know Law Does not apply. NJ Right-to-Know Law Does not apply. PA Right-to-Know Law Does not apply. Canadian Regulations WHMIS Hazard Class D2B Toxic Materials Canadian DSL Inventory All components listed on inventory. WHMIS Trade Secret None OTHER INFORMATION The following sections have been revised since the last issue of this M SDS Not applicable Additional Information For additional information on the use of this product, contact your loc al Halliburton representative.

lliburton products, contact Product Stewardship at 1-580-251-4335.

For questions about the Material Safety Data Sheet for this or other Ha

Disclaimer Statement

This information is furnished without warranty, expressed or implied, a s to

accuracy or completeness. The information is obtained from various sources

including the manufacturer and other third party sources. The informat ion may

not be valid under all conditions nor if this material is used in combination

with other materials or in any process. Final determination of suitability of

any material is the sole responsibility of the user.

END OF MSDS

HC-2

Page 1 Of 1

HC-2

Page 1 Of 1

Back To Start

District I - (505) 393-6161 D. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 HI S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to approprin District Off

REQUEST FOR APPROVAL TO ACCEPTS	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator DUKE ENERGY SERVIC
Verbal Approval Received: Yes 🔲 No 🍱	P.O. BOX 50020 5. Originating Site MIDLAND, TX 79710
2. Management Facility Destination CONTROLLED RECOVERY, INC.	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) EUNICE PLANT	NEW MEXICO
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be according Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	mpanied by necessary chemical analysis to n of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
01-009	
COOLING TOWER DEBRIS	
THE MATERIAL WAS GENERATED BY MARLEY COOLING TOWER REPLACED FILL (PLASTIC) AND REPLACED SOME BROKEN BOAR I AM ENCLOSING A CERTIFICATE OF WASTE STATUS, ANALYTIC	DS.
CHAIN OF CUSTODY.	
Estimated Volume 20 CUBIC YARDS Cy Known Volume (to be entered by the open SIGNATURE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: CARMELLA VAN MAANEN TELE	EPER DATE: 1-24-01
TELE	EPHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY: TTTLE:	DATE:
APPROVED BY: Martyne Jos. TITLE: Environ	untal Geologot DATE: 1-29-01

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR: Duke Bnergy Services
ADDRESS P.O. Box 50020, Midland, TX 79710-0020
GENERATING SITE Eunice Plant
COUNTY Lea STATE NM
TYPE OF WASTE Cooling Tower debris
ESTIMATED VOLUME 80 cubic yards
GENERATING PROCESS Marley Cooling Tower Repairs.
Replaced fill (plastic) and replaced some broken boards
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
SIGNATURE
NAME <u>Kevin Gerber</u> PRINTED
ADDRESS P.O. Box 46
Ol Center N. M
DATE 1- 23 - 2001



PHONE (915) 673-7001 - 2111 BEECHINOOD - ASILENE, TX 78603

PHONE (605) 383-2328 - 101 E. MARLAND - HOBBS, MM 88240

ANALYTICAL RESULTS FOR DUKE ENERGY FIELD SERVICES ATTN: VICKIE GUNTER P.O. BOX 50020 MIDLAND, TX 79710 FAX TO:

Receiving Date: 12/08/00 Reporting Date: 12/14/00 Project Owner: DEFS

Analysis Date: 12/13/00 Sampling Date: 12/08/00 Sample Type: SOLID

Project Name: EUNICE NATURAL GAS PLANT

Sample Condition: COOL & INTACT

Project Location: WEST-OF-EUNICE, NM

Sample Received By: GP

Sample ID: WOOD Lab Number: H5413-1 Analyzed By: BC

	EPA	Sample Result	Method			True Value
TCLP SEMIYOLATILES (PPIII)	LIMIT	H5413-1	'Stan k	QC	% Recov.	ac
Pyridine	5.00	<0.020	<0.006	0.011	22	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.024	48	0.060
o-Cresol	200	<0,020	<0.005	0.033	66	0.050
m, p-Cresol	200	<0,020	<0.005	0.033	66	0.050
Hexachicroethane	3.00	<0.020	<0.005	0.021	42	0.050
Nitrobenzerie	2.00	<0.020	<0.005	0.034	68	0.050
Hexachloro-1,3-burndlene	0.500	<0.020	<0.005	0.026	52	0.050
2,4,6-Trichiorophenol	2.00	<0.020	<0.005	0.040	80	0.050
2,4,5-Trichtorophenol	400	<0.020	<0.005	0.046	92	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.045	90	0.050
Pentachlorophenol	100	<0.020	<0.005	0.047	94	0.050

	% KECOVERY
Fluorophenol	32
Phenol-d5	29
Nitrobenzene d5	64
2-Fluorobiphenyl	85
2,4,6-Tribromophenol	82
Terphenyl-d14	99

METHODS; EPA SW 846-8270, 1311, 3510



PHONE (815) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 79603

PHONE (505) 383-2328 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR DUKE ENERGY FIELD SERVICES ATTN: VICKIE GUNTER P.O. BOX 50020 MIDLAND, TX 79710 FAX TO:

Receiving Date: 12/08/00 Reporting Date: 12/14/00 Project Owner: DEFS

Project Name: EUNICE NATURAL GAS PLANT Project Location: WEST OF EUNICE, NM

Sample ID: WOOD Lab Number, 115413-1 Analysis Date: "12/11700 Sampling Date: 12/08/00 Sample Type: SOLID

Sample Condition: COOL & INTACT

Semple Received By: 'GP Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result	Method Blank	QC	₹Recov.	True Value
Vinyl Chloride	0.20	<0.005	<0.005	0.108	108	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.089	89	0.100
Methyl Ethyl Ketone	200	<0.050	<9.050	0.083	83	0.100
Chloroform	6,0	<0.005	<0.005	0.089	89	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.087	87	0.100
Benzene	0:5	0.016	<0.005	0.088	88	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0,092	92	0,100
Trichlorosthylene	0.5	<0.005	40.005	0.091	91	0.100
Tetrachicrosthylene	0.7	<0.005	€0.005	0.088	89	0.100
Chlorobenzene	100	<0.005	<0.005	0.094	94	0,100
1.4-Dichlorobergene	7.5	<0.005	<0,005	0.104	104	0.100

M DECONCOV

	TO RECOVER!
Dibromofluoromethane	113
Tolueno-d8	113
Bromofluorobenzene	112

METHODS: EPA SW 648-8260, 1311





PHONE (815) 873-7001 . 2111 BEECHWOOD . ABILENE, TX 79803

PHONE (505) 393-2326 - 191 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR DUKE ENERGY FIELD SERVICES ATTN: VICKIE GUNTER P.O. BOX 50020 MIDLAND, TX 79710 FAX TO:

Receiving Date: 12/08/00 Reporting Date: 12/14/00

Project Owner: DEFS

Project Name: EUNICE NATURAL GAS PLANT

Project Location: WEST-OF EUNICE, NM Sample ID: PLASTIC

Lab Number: H5413-2

Analysis Date: "12/13/00 Sampling Date: 12/08/00

Sample Type: SOUD

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

TCLP SEMIYOLATILES (ppm)	EPA LIMIT	Sample Result 115413-2	Method Stank	QC	% Recov.	True Value
Pyridine	5.00	<0.020	<0.005	0.011	22	0.050
1.4-Dichlorobenzene	7.50	<0.020	<0.005	0.024	48	0.050
o-Cresol	200	<0.020	<0.005	0.033	66	0.050
m, p-Cresof	200	<0.020	<0.005	0.033	68	0.050
Headhordshane	3.00	<0.020	<0.005	0.021	42	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.034	68	0.050
Hexachloro-1,3-butadiene	0,500	<0.020	<0.005	0.026	52	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.040	80	0.950
2,4,5-Trichlorophenol	400	49.020	<0.005	0.046	92	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Herachlorobanzone	0.130	<0.020	<0,005	0.045	90	0.050
Pentachlorophenol	100	<0,020	<0.005	0.047	94	0.050

	% RECOVERY
Fluorophenol	48
Phenol-d5	32
Nitrobenzeno-d5	97
2-Fluorobiphenyl	82
2,4,6-Tribromophenol	85
Temperal 614	89

METHODS: EPA SW 846-8270, 1311, 3510

12/14/00



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

PHONE (505) 303-2226 - 101 E MARLAND - HOSES, NM 50240

ANALYTICAL RESULTS FOR DUKE ENERGY FIELD SERVICES ATTN: VICKIE GUNTER P.O. BOX 50020 MIDLAND, TX 79710 FAX TO:

Receiving Date: 12/08/00 Reporting Date: 12/14/00

Project Owner: "DEF'S Project Name: EUNICE NATURAL GAS PLANT

Project Location: WEST OF EUNICE, NM

Sample ID: PLASTIC Lab Number, +16413-2

Analysis Date: 12711700 Sampling Date: 12/08/00 Sample Type: SOLID

Sample Condition: COOL & INTACT

Sample Received By: 'GP

Analyzed By: BC

TCLP VOLATILES (pprii)	EPA LIMIT	Sample Result H5413-2	Method Blank	ac	%Recov.	True Value
Vinyl Chloride	0.20	<0.006	<0.005	0.108	108	0.100
1,1-Dichloreethylene	0.7	<0.006	<0.005	0.089	89	0.100
Methyl Ethyl Ketone	200	<0.050	<0.060	0.083	83	0.100
Chloroform	6.0	<0.005	<0.005	0.089	89	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.087	87	0.100
Benzene	0.5	0.015	<0.005	0.088	88	0.100
Carbon Tetrachloride	0.5	<0,005	<0.005	0.092	92	0.100
Trichioroethylene	0.5	<0:005	<0.005	0.091	91	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.099	99	0,100
Chlorobenzene	100	<0.005	<0.005	0.094	94	0,100
1,4-Dichlorobenzene	7.5	<0.005	<0.006	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	95
Taluene-d8	97
Bromoflucrobenzene	97

METHODS: EPA SW 848-8260, 1311

Burgess S. A. Copye, Ph. D.

P. Ø5



PHONE (915) 573-7601 - 2111 BEECHWOOD - ABILENE, TX 79503

PHONE (605) 393-2926 - 101 E MARLAND - HOBBS, NM 86240

ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: VICKIE GUNTER
P.O. BOX 50020
MIDLAND, TX 79710
FAX TO:

Receiving Date: 12/08/00 Reporting Date: 12/16/00

Project Owner: DEPS
Project Name; EUNICE NATURAL GAS PLANT
Project Location: WEST OF EUNICE; NM

Sampling Dete: 12/08/00 Sample Type: SOLID Sample Condition: INTACT Sample Received By: GP Analyzed By: AH/GP

TCLP METALS

LAB NOSAMPLE ID	≯s ppm	Ag ppm	⊞Ba ppm	(Cd	Cr 9pm	Pb ppm	-Hg ppm	∵Se ppm
ANALYSIS DATE:	12/13/00	12/14/00	12/14/00	12/14/00	12/14/00	12/14/00	12/15/00	12/14/00
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H5413-1 WOOD	<2	<1	<5	<0.1	<1	<1	<0.2	40.1
H5413-2 PLASTIC	<1	<1	<5	<0,1	<1	<1	<0.02	<0.1
<u> </u>								
					, 		:	
Quality Cointrol	0.193	4.719	44.58	1.047	5,000	0.00945	5.078	0.053
True Value QC	0.200	5.000	50.00	1.000	5.000	0.01000	6,000	0.050
% Recovery	96.6	94.4	89.1	105	100	94.5	102	106
Relative Standard Deviation	20	0.5	3.7	0,3	2.9	5.8	0.4	2.0
METHODS: EPA 1311, 600/4-91/01	206.2	272.1	208,1	213,1	218.1	239.17	245.1	270.2

Chemist A. Cashe

12/16/00

HS413M.XL8

Page 7/8

P.06



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

PHONE (505) 393-2328 . 101 E. MARLAND . MOBBS, NM 88240

ANALYTICAL RESULTS FOR DUKE ENERGY FIELD SERVICES

ATTN: VIÇKIE GUNTER P.O. BOX 50020 MIDLAND, TX 79710

FAX TO:

Receiving Date: 12/08/00

Reporting Date: 12/18/00

Project Owner: DEFS

Project Name: EUNICE NATURAL GAS PLANT

Project Location: WEST OF EUNICE, NM

Sampling Date: 12/08/00

Sample Type: SOLID

Sample Condition: INTACT Sample Received By: GP

Analyzed By: AH/BC

REACTIVITY

LAB NUMBER SAMPLE ID

Sulfide Cyanide CORROSIVITY IGNITABILITY

(ppm)

(गण्यवं)

(pH)

(F)

ANALYSIS E	ATE:	12/14/00	12/14/00	12/16/00	12/16/00
H5413-1	WOOD	Not reactive	Not reactive	8.94	Nonflammable
H5413-2	PLASTIC	Not reactive	Not reactive	5.94	Norflammable
10 mg 100mg 170mg 1 Tobac 1	Manager - Administration - Administratio	NR	NR	7.03	NR
Quality Cont			NR	7.00	NR
True Value (NR NR			
% Recovery	····	NR.	NR	100	NR
Relative Per	cent Difference	NR	NR	0.1	NR

METHOD: EPA SW 848-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Buyer Ja. Cooke

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES,

10.9 8/8 age 9/8

;6E:01 10-6S-naL

144-53-5001 00:00 Sent By: HP LaserJet 3100;

;8311896316

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

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropria District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator CONOCO, INC.
Verbal Approval Received: Yes 🔀 No 🔲	5. Originating Site MALJAMAR PLANT
2. Management Facility Destination CONTROLLED RECOVERY, INC.	6. Transporter GANDY
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) MALJAMAR PLANT, MALJAN	1AR NEW MEXICOI
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	Tot Lunipers.
01-010 FOLLOW UP ON VERBAL APPROVAL BY WAYNE PRICE FOR COSEE ATTACHED E-MAIL.	ONCRETE.
Estimated Volume 40 CUBIC YARDS cy Known Volume (to be entered by the open	erator at the end of the haul) ————————————————————————————————————
SIGNATURE: (Manufla) () M Manufla TITLE: BOOKKER Waste Management Facility Authorized Agent	EPER DATE: 1-25-01
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPHONE NO. <u>(505)</u> 393-1079
(This space for State Use) WAYNE PRICE 01-	23-01
	DATE:
APPROVED BY: Montyn The TITLE: Environ	mustal Geologist DATE: 1-29-01

Carmella Van Maanen

From:

"Bishop, Mark A." < Mark.A. Bishop@usa.conoco.com>

To:

<crihobbs@leaco.net>

Sent:

Tuesday, January 23, 2001 2:15 PM

Subject:

FW: Conoco Inc. Concrete removal at Maljamar Plant

```
> ----Original Message----
> From: Price, Wayne [SMTP:WPrice@state.nm.us]
> Sent: Thursday, January 11, 2001 9:39 AM
> To: 'Bishop, Mark A.'
> Subject: RE: Conoco Inc. Concrete removal at Maljamar Plant
> Your submitted plan is hereby approved with the following conditions:
> 1. Waste disposal shall utilize the C-138 process.
> 2. Conoco shall investigate and report any contamination found during
> the removal project.
> 3. Conoco shall up-date the discharge plan showing all new containment
> devices.
> Please be advised that NMOCD approval of this plan does not relieve Conoco
> Inc. of responsibility should their activities have failed to adequately
> investigate and remediate contamination that pose a threat to ground
> water,
> surface water, human health or the environment. In addition, NMOCD
> approval
> does not relieve Conoco Inc. of responsibility for compliance with any
> other
> federal, state, or local laws and/or regulations.
>
>
>> From: Bishop, Mark A. [SMTP:Mark. A. Bishop@usa.conoco.com]
>> Sent: Thursday, January 11, 2001 8:24 AM
>> To: 'wprice@state.nm.us'
>> Subject: Conoco Inc. Concrete removal at Maljamar Plant
>>
>> Mr. Wayne Price
>> New Mexico OCD,
>>
>> Conoco is in the process of upgrading our inlet compressors which will
>> involve replacement of seven of our old Clark compressors with new
>> Caterpillar driven compressors. This project will require the removal
```

>> our current maintenance shop building (on the east side of the Clark

- >> compressor building). The steel frame of the building will be sold for
- >> scrap to a recycling company. There will be approximately 40 cubic
- > yards
- >> of
- >> concrete waste from the floor of the building that we would like to
- >> dispose
- >> of at an OCD approved facility. Concrete waste is not in our approved
- > OCD
- >> waste discharge plan. Control Recovery Inc. has been contacted and will
- >> accept the concrete upon your approval. We would like to begin disposal
- >> the
- >> week of January 15. Thankyou for your consideration and approval of our
- >> plan. If you have any questions or require more information I can be
- >> reached at 505-676-3519.
- >>
- >> Mark Bishop
- >> Environmental Specialist
- >> Conoco Inc.
- >> Natural Gas and Gas Products
- >> Maljamar Gas Plant
- >> Maljamar, New Mexico
- >>
- >>

02/06/01 11:46

District I - (505) 393-6161 O. Box 1980

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

District III - (505) 334-6178 1000 Rio Brazos Road Aztee, NM 87410

District IV - (505) 827-7131

311 S. Fitst Artesia, NM 88210

35053933615

CRI

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-12 Originated 8/8/

> Submit Origin Plus 1 Co to appropri: District Off

REQUEST FOR APPROVAL TO ACCEPT	I SOLID WAS IE
1. RCRA Exempt: Non-Exempt: X	4. Generator CONOCO GAS PLANT
Verbal Approval Received: Yes No X	5. Originating Site MALJAMAR GAS PLA
2. Management Facility Destination CONTROLLED RECOVERY, INC	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) MALJAMAR GAS PLAN	T MALJAMAR NEW MEXICO
9. <u>Circle One</u> :	-
A. All requests for approval to accept oilfield exempt wastes will be accepted. Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification of testing will be approved.	companied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigne	ed for transport.
BRIEF DESCRIPTION OF MATERIAL:	
02-001	
CONOCO THROUGH CRI REQUESTS THAT YOU CONFIRM OUR CONSERVATION OF 01-18-01 IN WHICH YOU GAVE VERBAL AP TO MIX DRY NON-EXEMPT WASTE WHICH HAS BEEN APPROV DRY EXEMPT WASTE FROM THEIR OPERATION FOR TRANSPO	PROVAL FOR CONOCO ED BY C-138 AND
•	
Estimated Volume cy Known Volume (to be entered by the o	perator at the end of the haul) ————— cy
SIGNATURE: Okonella) Jan Manea TITLE: BOOKKE	EPER DATE: 2-5-01
	ELEPHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY:TTTLE:	DATE:
APPROVED BY: Montyn grif - TITLE: Emurox	mh (xolosp) DATE: 2/15/01

CRI

2006

District I - (505) 393-6161
1 O. Box 1980
1 Obs., NM 88241-1980
District II - (505) 748-1283
11 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropria District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator CONOCO, INC.
Verbal Approval Received: Yes 🔲 No 🗓	5. Originating Site 1001 CONOCO R
2. Management Facility Destination CONTROLLED RECOVERY, INC	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) MALJAMAR PLANT, MA	JAMAR NEW MEXICO
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
02-002	•
SUMP WATER	
ENCLOSED IS THE ANALYTICAL, CERTIFICATE OF WASTE STAKNOWLEDGE LETTER, AND COPY OF LAST C-138. THIS WASTAPPROVED IN THE PAST. Fig.	
Estimated Volume 300 BBLS cy Known Volume (to be entered by the open	erator at the end of the haul) ————————————————————————————————————
SIGNATURE: BOOKKE Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPER DATE: 2-6-01 EPHONE NO. (505) 393-1079
APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: TITLE: Enuronn	DATE:

District I - (505) 393-6161 O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 311 %. First Irtesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-13 Originated 8/8/

> Submit Origin Plus I Čo to appropri: District Off

REQUEST FOR AI	PROVAL	TO ACCE	PTSOLID	WASTE

ALQUEST TORALT NO	THE TOTAL CELL THE	CHE WINDIE	
1. RCRA Exempt: Non-Exempt: X		4. Generator CC	ONOCO, INC.
Verbal Approval Received: Yes 🔲 No		5. Originating Site	2 1001 CONOCO R
2. Management Facility Destination CONTROLLED	RECOVERY, INC	6. Transporter U	NKNOWN
3. Address of Facility Operator P.O. BOX 388, HOB	BS	8. State NEW	MEXICO
7. Location of Material (Street Address or ULSTR) MAI	JAMAR PLANT, MALJA	MAR NEW	MEXICO
9. <u>Circle One</u> :			
A. All requests for approval to accept oilfield exemple. Generator; one certificate per job. All requests for approval to accept non-exempte PROVE the material is not-hazardous and the Glisting or testing will be approved.	wastes must be accomp	panied by necessary	chemical analysis to
All transporters must certify the wastes delivered are	only those consigned for	transport.	
BRIEF DESCRIPTION OF MATERIAL:			
02-002			
SUMP WATER			
ENCLOSED IS THE ANALYTICAL, CERTIFICA' KNOWLEDGE LETTER, AND COPY OF LAST CAPPROVED IN THE PAST.			
Estimated Volume 300 BBLS. cy Known Volume (1	o be entered by the operat	or at the end of the ha	oul) ———— cy
SIGNATURE: Waste Management FacilityAuthorized Agent	TITLE: BOOKKEEP	ERDA	TE: 2-6-01
TYPE OR PRINT NAME: CARMELLA VAN MAAN	EN TELEPI	HONE NO. <u>(505)</u>	393-1079
(This space for State Use)			
	7777 F.	5 .	· ·
APPROVED BY:	TTTLE:	DA	JTE:
APPROVED BY:	TTTLE:	DA	(TE:

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Conoco, Inc.
ADDRESS 1001 Conoco Rd., Maljamar, NM 88264
GENERATING SITE Maljamar Gas Plant
COUNTY Lea STATE NM
TYPE OF WASTE Sump Water
ESTIMATED VOLUME 300"bbls.
GENERATING PROCESS See attached letter
REMARKS
NMOCD FACILITY Controlled Recovery, Inc. TRUCKING COMPANY Unknown
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT Much Bishop 676-3519 SIGNATURE NAME Mark Bishop PRINTED P
ADDRESS <u>PO BOX 90</u> Maljamar IVM DATE 2-9-01

rict I - (505) 393-6161 J. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 3115S. First Irtesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resource Department Oil Conservation Division

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

RECEIVED

JUL 17 2000

Environmental Bureau

Submit Origi Plus 1 Čc to appropri

Form C-1

Originated 8/8.

District Off

Oil Conservation Division

REQUEST FOR APPRO	VAL TO ACCEPT SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Conoco, Inc.
Verbal Approval Received: Yes N	5. Originating Site 1001 Conoco Rd.
2. Management Facility Destination Controlled Reco	overy, Inc. 6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hob	bbs 8. State New Mexico
7. Location of Material (Street Address or ULSTR) 100	1 Conoco Rd., Maljamar New Mexico
Generator; one certificate per job. All requests for approval to accept non-exempted PROVE the material is not-hazardous and the Glisting or testing will be approved.	npt wastes will be accompanied by a certification of waste from the t wastes must be accompanied by necessary chemical analysis to Generator's certification of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are	only those consigned for transport.
BRIEF DESCRIPTION OF MATERIAL:	
07-001	
Sump Water - "See attached letter" Enclosed is the analytical, certificate of waste status knowledge letter.	and process
Estimated Volume 150 bbls. cy Known Volume (1	to be entered by the operator at the end of the haul) ————————————————————————————————————
SIGNATURE: Carmella Jan Maanen	TTTLE: Bookkeeper DATE: 07-10-00
Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Carmella Van Maanen	TELEPHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY:	TTTLE: DATE:
APPROVED BY Martina 1 Hala	TITLE: Fruironnula Geologist DATE: 7-17-00



Rudy Quiroz Operations Tech III Natural Gas & Gas Products Conoco Inc. P.O. Box 90 Maljamar, NM 88264 505-676-3528

July 10, 2000

Subject: Sump Water Waste

8 HRA Clark compressors are generating the sump water waste. These engines are very old and they leak lube oil and water. The waste is collected in a sump pit in front of each engine. The waste is about 95 % water and 5% lube oil. The waste is removed from the sump by a vacuum truck and is currently being stored in a frac tank until it can be disposed. Estimated volume of the waste is 150 barrels a month.

If you have any questions please contact me at 505-676-3528.

Rudy Quiroz

Operations Tech III





HOUSTON I ABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77084 (713) 680-0901

Case Narrative for: Conoco Inc.

Certificate of Analysis Number:

00060378

Report To:

Project Name:

Clark Sump

Conoco Inc.

Site:

Maljamar Gas Plant

Rudy Quinez P.O. Box 90

Site Address:

1001 Conoco Rd Maljamar

PO Number:

NM

State:

New Mexico

88264-

ph: (506) 676-3603

fax: (505) 676-3533

State Cert. No.: Date Reported:

6/21/00

The methods were not indicated on the chain of custody for BTEX and Total Petroleum Hydrocarbons (TPH) analyses. A message was left for Ashly Finnan on June 15, 2000, to which there was not response. The samples were analyzed by EPA method 8021 for BTEX and TNRCC method TX1005 for TPH per historical events.

Your sample ID "Clark Sump" (SPL ID: 00060376-01) was analyzed for Purgeable Aromatics by SW/845 method 8021. The surrogate 4-Bromofluorobenzene was outside the quality control limits, due to matrix interference.

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control aummary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Senior Project Manager

6/21/00

Date





HOUSTON LABORATORY
8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Conoco Inc.

Certificate of Analysis Number:

00060378

Report To:

Fax To:

Conoco Inc.

Rudy Quinez

P.O. Box 90

1001 Conoco Rd

Conoco Inc.

Rudy Quinez

Maljamar

NM

88264-

ph: (505) 676-3503

fax: (505) 676-3533

fax: (505) 676-3533

Project Name:

Clark Sump

Site:

Maljamar Gas Plant

Site Address:

PO Number:

State:

New Mexico

State Cert. No.:

Date Reported: 6/21/00

HOLD COC ID

Client Sample ID Lab Sample ID Matrix Date Collected Date Received

6/15/00 10:00:00 AM 6/14/00 9:00:00 AM 00060378-01 100292 Clark Sump Sludge 6/14/00 9:00:00 AM 6/15/00 10:00:00 AM 100292 Clark Sump 00060378-01 Sludge

Senior Project Manager

6/21/00

Date

Joel Grice **Laboratory Director**

Ted Yen Quality Assurance Officer

8/21/00 12:03:48 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Client Sample ID Cl	lark Sump		Coll	ected:	6/14/00 9:00:00	SPL Sample ID: 0	0060378-01
			Site	: Mai	ljamar Gas Plant		
Analyses/Method	Result		Rep.Limit		DII. Factor QUAL	Date Analyzed Anal	•
CORROSIVITY				MCL	SW9045C	Units: pH Units	5
Corrosivity	7.9		0		1	06/15/00 16:45 C_V	309925
IGNITABILITY				MCL	SW1010	Units: °F	Marie de Marie de La Carlo de
Ignitability	> 210		0		1	06/16/00 0:00 SUB	311178
MERCURY, TOTAL				MCL	SW7471A	Units: mg/Kg	
Mercury	0.22		0.033		1	06/16/00 8:07 PB	309843
Run ID/Seq #: H	IGL_000616A-309843						
Prep Method	Prep Date		Prep Initials				
SW7471A	06/15/2000 14:30		РВ				
METALS BY METHO	DD 6010B, TOTAL			MCL	SW6010B	Units: mg/Kg	
Arsenic	ND		0.5		1	06/16/00 13:14 EG	310555
Lead	5.12		0.5		1	06/16/00 13:14 EG	310555
Selenium	ND		0.5		1	06/16/00 13:14 EG	310555
Barium	9.65		0.5		1	06/15/00 16:59 E_B	310155
Cadmium	ND		1		1	06/15/00 16:59 E_B	310155
Chromium	7.28		1		1	06/15/00 16:59 E_B	310155
Silver	ND		1		1	06/15/00 16:59 E B	310155
Run ID/Seq #: T.	JA_000615A-310155					······································	
Prep Method	Prep Date		Prep Initials				
SW3050B	j06/15/2000 13:00		MR				
	JAT_000616A-310555						
Prep Method	Prep Date		Prep Initials				
SW3050B	06/15/2000 13:00		MR				
PURGEABLE AROM	ATICS			MCL	SW8021B	Units: ug/Kg	
Benzene	15		10		10	06/16/00 13:46 CJ	310598
Ethylbenzene	270		10	·	10	06/16/00 13:46 CJ	310598
Toluene	970		10		10	06/16/00 13:46 CJ	310598
Xylenes,Total	1160		10		10	06/16/00 13:46 CJ	310598
Surr: 1,4-Difluorobe		%	59-127		10	06/16/00 13:46 CJ	310598
Surr: 4-Bromofluoro	benzene 165	%	48-156		10	06/16/00 13:46 CJ	310598
REACTIVE CYANIDE				MCL	SW7.3.3.1	Units: mg/Kg	
Reactive Cyanide	ND		1		11	06/16/00 8:00 ES	310493
REACTIVE SULFIDE				MCL	SW7.3.4.2	Units; mg/Kg	
Reactive Sulfide	ND		10	-	1	06/16/00 8:00 ES	310504

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:51 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Client Sample ID Clark Sump		Collected: 6/14/00 9:00:00				SPL Sample ID: 0006		0378-01
		Site: Maljamar Gas Plant						
Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TPH TEXAS 1005			MCL	1X	EPH	Units: m	g/Kg	:.
C6-C10	ДИ	500		10		06/15/00 15:08	AM	310210
> C10-C28	19000	500		10		06/15/00 15:08	AM	310210
Total (C6-C28)	19000	500		10		06/15/00 15:08	AM	310210
Run ID/Seq #: HP	B_000615B-310210							
Prep Method	Prep Date	Prep Initials						
TX_EPH	06/15/2000 10:00	ÇB						

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Ollution

MI - Matrix Interference

6/21/00 12:03:52 PM

Quality Control Documentation





Quality Control Report

Conoco Inc. Clark Sump

Analysis:

TPH Texas 1005

Method:

RunID:

TX_EPH

WorkOrder:

00060378

Lab Batch ID:

5420

Method Blank

HP_B_000615B-310100 Units: mg/Kg

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

06/15/2000 11:38

Analyst: AM

00060378-01B

Clark Sump

Preparation Date: 06/15/2000 10:00

Prep By: CB

Method TX_EPH

Result Rep Limit Analyte ND 50 > C10-C28 ND 50 C6-C10 50 ND Total (C6-C28)

Laboratory Control Sample (LCS)

RunID:

HP_B_000615B-310205

Units:

mg/Kg

Analysis Date: Preparation Date: 06/15/2000 14:30

AM Analyst:

06/15/2000 10:00

Prep By: CB Method TX_EPH

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
> C10-C28	500	480	95	70	130
C6-C10	500	410	82	70.	130
Total (C6-C28)	1000	890	89	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060363-02

RunID:

HP_B_0006158-310108

Units:

mg/Kg

Analysis Date:

06/15/2000 12:10

Analyst: AM

Preparation Date: 06/15/2000 10:00

Prep By:

Method

Analyte	Sample Result	MS Spike	MS Result	MS % Recovery	: ' [MSD Result	MSD % Recovery		RPD L	ow High Imit Limit
		Added			Added					
> C10-C28	ND	500	440	88.1	500	460	91.4	3.73	30	70, 130
C6-C10	ND	500	330	66.6	500	340	68.1*	2.14	30	70 130
Total (C6-C28)	ND	1000	770	77,0	1000	800	0.08	3.82	30	70, 130.

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

8/21/00 12:03:55 PM





HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis:

RunID:

Purgeable Aromatics

Method:

SW8021B

WorkOrder:

00060378

Lab Batch ID:

R15794

Method Blank

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

06/16/2000 6:35

HP_J_000616A-310587

ug/Kg Units: Analyst: CJ

Clark Sump

00060378-01A

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes,Total	ND	1.0
Sun: 1,4-Difluorobenzene	80.4	59-127.
Surr: 4-Bromofluorobenzene	95.6	48-156

Laboratory Control Sample (LCS)

RunID:

HP_J_000616A-310584

Units:

ug/Kg

Analysis Date:

06/16/2000 5:12

Analyst: CJ

Analyte	Spike Added	Result	Result Percent Recovery		Upper Limit	
Вепzеле	50	54	108	60	116	
Ethylbenzene	50	59	119	68	127	
Toluene	50	56	112	64	122	
Xylenes,Total	150	181	121	68	129	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

RunID:

00060407-08

HP_J_000616A-310585

Units:

ug/Kg

Analysis Date:

06/16/2000 5:38

Analyst: CJ

Analyte	Sample	MS	MS Result	MS %	MSD	MSD Result		RPD			High
	Result	Spike Added		Recovery	Spike Added	·	Re∞very		Limit	Limit	Limit :
Benzene	ND	20	20	96.2	20	18	88.3	8.52	34	35	139
Ethylbenzene	ND	20	20	98.5	20	19	92.3	6.49	35	31	137
Toluene	ND	20	20	99.7	20	18	90.3	9.88	28	31	137
Xylenes,Total	ND	60	61	102	60	57	95,0	6.78	38	19	144

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:55 PM





HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc.

Clark Sump

Analysis:

Metals by Method 6010B, Total

Method:

SW6010B

WorkOrder:

00060378

Lab Batch ID:

5428

Method Blank

Samples in Analytical Batch:

RunID;

TJA_000615A-310151

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/15/2000 16:50

Analyst: E_B 00060378-01B

Clark Sump

Preparation Date:

Silver

06/15/2000 13:00

Prep By: MR Method SW3050B

Result Rep Limit Analyte 0.5 0.5 Barium Cadmium ND! Chromium ND ND

Laboratory Control Sample (LCS)

RunID:

TJA_000615A-310152

Units: mg/Kg

06/15/2000 16:55

Analyst: E B

Analysis Date: Preparation Date:

06/15/2000 13:00

Prep By: MR Method \$W3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper i Limit
Barium	73.6	74.9	N/A	56.7	90.5
Cadmium	185	190	N/A	143	228
Chromium	50.7	48.4	N/A	35.7	65.7
Silver	149	140	N/A	110	188

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060378-01

RunID:

TJA_000615A-310158

Units:

mg/Kg

Analysis Date:

06/15/2000 17:03

Analyst:

E_B

Preparation Date: 06/15/2000 13:00

Prep By: MR Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Re∞very	RPD			High Limit
Barlum	9.7	100	101	91.2	100	99.9	90.2	1.10	20;	75	125
Cadmium	ND	100	87	87.0	100	86.9	86.9	.0587	20	75	125
Chromium	7.3	100	95.7	88.4	100	96.1	88.8	0.396	20	75	125
Silver	ND	100	87.9	87.4	100	88	87.6	0,202	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:56 PM



HOUSTON LABORATORY 8886 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0801

Quality Control Report

Conoco Inc. Clark Sump

Analysis: Method:

RunID:

Metals by Method 6010B, Total

SW6010B

WorkOrder:

00060378

Lab Batch (D:

5428-T

Method Blank

Samples in Analytical Batch:

Units: mg/L

Lab Sample ID

Client Sample ID

Analysis Date:

TJAT_000816A-310553 06/16/2000 13:00

EG

00060378-01B

Clark Sump

preparation Date:

06/15/2000 13:00

Analyst

Prep By: MR Method SW3050B

Rep Limit! Result Analyte DI 0.5 Arsenic 0.5 0.5 ND. Lead ND Selenium

Laboratory Control Sample (LCS)

RunID:

TJAT_000616A-310554

Units:

mg/Kg

Analysis Date:

06/16/2000 13:06

Analyst: EG

Preparation Date: 06/15/2000 13:00

Prep By: MR Method SW3050B

Analyte	Splke Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	58.6	58.2	N/A	41.1	76.1
Lead	56.6	61.7	N/A	43.1	70.1
Selenium	61.4	54.5	N/A	45.5	77.2

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060378-01

RunID:

TJAT_000616A-310556

Units:

mg/Kg

Analysis Date:

08/16/2000 13:21

EG Analyst:

Preparation Date:

06/15/2000 13:00

Prep By: MR Method SW3050B

Analyte	Sample Result	M\$ Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Re∞very	RPD	RPD į Limit	· ·	High Limit
rsenic	ND	200	176	87.8		,		0.840	20	75	125
ad	5.1	100	95.8	90.7	100	96.5	91.4	0.767	20	75.	125.
≱lenium	ND	200	160	80.1	200	162	80,9	0.929	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

Mi - Matrix Interference

6/21/00 12:03:56 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis: Method:

Mercury, Total

SW7471A

WorkOrder:

00060378

Lab Batch ID:

5429

Method Blank

Samples in Analytical Batch:

RunID:

HGL_000616A-309834

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/16/2000 8:07

PB Analyst:

00060378-01B

Clark Sump

Preparation Date:

06/15/2000 14:30

Prep By: PB Method SW7471A

Analyte	Result	Rep Limit
Mercury	ND	0.033

Laboratory Control Sample (LCS)

Run(D:

HGL_000616A-309835

Units:

mg/Kg

Analysis Date:

Preparation Date:

06/16/2000 8:07 06/15/2000 14:30

PΒ Analyst:

Prep By: PB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	2.17	2,1	N/A	1.48	2.86

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060345-01

RunID:

HGL_000616A-309839

Units:

mg/Kg

Analysis Date:

06/16/2000 8:07

Analyst:

PB

Preparation Date: 06/15/2000 14:30

Prep By: PB

Method SW7471A

Analyte	Sample Result	MS Spike	MS Result	M\$ % Recovery	MSD Spike	MSD Result	MSD % RI Recovery		Low High Limit Limit
		Added	:		Added				
Mercury	0.074	0.33	0.422	105	0.33	0.42	105 0.3	317 20	75 125

Qualifiers:

ND/U - Not Detected at the Reporting Llmit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:58 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis: Method: Ignitability SW1010

00060378

WorkOrder: Lab Batch ID:

R

Samples in Analytical Batch:

Lab Sample ID 00060378-01B

Client Sample ID

Clark Sump

ualiflers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:57 PM





HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 770\$4 (713) 660-0901

Quality Control Report

Сопосо Іпс.

Analysis: Method:

Corrosivity

SW9045C

Clark Sump

WorkOrder:

00060378

Lab Batch ID:

R15763

Samples in Analytical Batch:

Lab Sample ID

00060378-018

Client Sample ID

Clark Sump

Laboratory Control Sample (LCS)

RuniD:

WET_000615E-309919

Units:

pH Units

Analysis Date:

06/15/2000 16:45

Analyst:

C_V

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit	
Corrosivity	7	7	101	99	101	

Sample Duplicate

Original Sample:

00060391-01

WET_000615E-309922

Units:

pH Units

Analysis Date:

RunID:

06/15/2000 16:45

Analyst:

C_V

Analyte	Sample	DUP	RPD	RPD
1	Result	Result		Limlt
Corrosivity	8.3	8.3	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:57 PM





HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis:

Reactive Cyanide-Solid

Method:

SW7.3.3.1

WorkOrder:

00060378

Lab Batch ID:

R15786

Method Blank

Samples in Analytical Batch:

RuniD: Analysis Date:

06/16/2000 8:00

WET_000816A-310491

Units;

Analyst: ES

mg/Kg

Lab Sample ID

Client Sample ID

00060378-01B

Clark Sump

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

Sample Duplicate

Original Sample:

00060391-01

WET_000616A-310494

Units:

mg/Kg

Analysis Date:

RunID:

06/16/2000 8:00

Analyst:

ES

Analyte	Sample Result	DUP Result	RPD	RPD Llmit
Reactive Cyanide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrlx Interference

6/21/00 12:03:57 PM





8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis:

Reactive Sulfide - Solid

Method:

SW7.3.4.2

WorkOrder:

00060378

Lab Batch ID:

R15787

Method Blank

Samples In Analytical Batch:

RunID:

WET_000616B-310502

Units: mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/16/2000 8:00

Analyst: ES

00060378-01B

Clark Sump

Analyte Result Rep Limit Reactive Sulfide ND

Sample Duplicate

Original Sample:

00060391-01

WET_000616B-310505

Units:

mg/Kg

Analysis Date:

RunID:

06/16/2000 8:00

ES Analyst;

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Sulfide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:58 PM

Chain of Custody

And

Sample Receipt Checklist

8880 Interchange Drive, Houston, TX 77054	other []	48hr Sundard	72hr	1	Requested TAT		Client/Compiliant Remarks:					Clark Sumo	Clarek Sunp	SAMPLE ID	Jan 12		Project Name: C/ARK Su	Chern Contect: Hudy	9,	Client Name: CONOCO -		1001
8880 Interchange Drive, Houston, TX 77054 (713) 660-0901	5. Relinquisted by:	3. Retinquithed &	1. Betimpujehed by Sample!	Standard QC , S Level 3 QC	Special Reporting Requirements Fax Results	AN 281-293-12A	Can at lowethe 1-				00 9:00 Am	9:00an	1/4/00 9:00Am X	DATE TIME comp grab	As Phat		ruesp	Wiroz (Maljamore, N.M. Sac-Ox-350	A pool	Analysis Request &	7 SF
☐ · 500 .	date time		6/14/00 G	OS Level 4 OS []	Aw Data		Laboratory remarks:				C 40 3	6 8	6 4	W=v SL=s P=pl G=gl l=1 8=8c 1=H: 3=H:	astic ass liter	A; V: 4=4 6=	=via oz 4 1602 =HN	her: ber 1 10=	glass	matrix bottle size pres.	Analysis Request & Chain of Custody Record	SPL, Inc.
Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775	6. Received by Laboratory	ne 4. Roxived by:	12. Received by:		Special Detection Limits (specify):	Te			していま		3 X X X X		$ X \times X $	Num K	Teller of				/s	H	a 00060378	SPL Wastander Na
0583 (318) 237-4775	0 6/15/10 0			033	PM review (initial):	Temp:						33	0323			MAE	1:01			alysis	page of	100292

11:44 District 1 - (505) 393-6161 ? O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road

Aztec, NM 87410 District IV - (505) 827-7131

02/06/01

CRI New Mexico

25053933615

Energy Minerals and Natural Resources Department

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

Q 013 Originated 8/8/

> Submit Origin Plus I Co to appropri: District Off

REQUEST FOR APPROVAL TO AC	CEPT SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ SERVICES
Verbal Approval Received: Yes 🔲 No 🗓	5. Originating Site HOBBS FACILITY
2. Management Facility Destination CONTROLLED RECOVER	Y, INC 6. Transporter CRI
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 2708 W. COUNT	Y RD., JHOBBS NEW MEXICO
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must PROVE the material is not-hazardous and the Generator's cellisting or testing will be approved.	t be accompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those co	onsigned for transport.
BRIEF DESCRIPTION OF MATERIAL:	
02-003 WASH BAY WASTEWATER. THE MATERIAL WAS GEN	ERATED BY WASHING TRUCKS.
THIS MATERIAL HAS BEEN APPROVED IN THE PAST. I CERTIFICATE OF WASTE STATUS AND COPY OF LAST	14
Estimated Volume 300 BBLS. cy Known Volume (to be entered SIGNATURE: Atmilla Jan Maanes TITLE: BC	by the operator at the end of the haul)
Waste Management Facility Authorized Agent	
TYPE OR PRINT NAME: CARMELLA VAN MAANEN	TELEPHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY:TITLE:	DATE:
APPROVED BY: Montyn 326- TITLE: Em	ronmitel Geologot DATE 2/13/01

,) L

02/02/01 16 38

38 \$5053933015

CRI

@ 002

	CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION."
CO	MPANY/GENERATOR Services
ΑD	DRESS 2708 West County Road, Hobbs, NM 88240
GE	ERATING SITE Hobbs Facility
	COUNTY Les STATE NH
TY	E OF WASTE wash Bay Wastevater
EST	MATED VOLUME 300 bbls.
	ERATING PROCESS Washing trucks
NMC	CD FACILITY Controlled Recovery, Inc. CKING COMPANY CRI
	As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant menture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT SIGNATURE NAME PRINTED ADDRESS 2708 West County Road
•	Hobbs, NM 88240
	DATE 3/1/1/

02/06/01 11:45

District I - (505) 393-6161
1. O. Box 1980
1766bs, NM 88241-1980
District II - (505) 748-1283111 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410

District IV - (505) 827-7131

(This space for State Use)

APPROVED BY: / Ranton

APPROVED BY:

55053933615

New Mexico

E gy Minerals and Natural Reso es Department
Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131 Form C-1 Originated 8/

Submit Original Plus 1 Control to appropriate Original Plus 1 Control Plus 1 Cont

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ Services
Verbal Approval Received: Yes 🔲 No 🗵	5. Originating Site Hobbs facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd., Hobbs	New Mexico
9. Circle One:	
Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	(
07-003	1
Wash bay wastewaster. The material was generated by washin	ng trucks.
This material has been approved in the past. I have included a waste status and copy of the last C-138.	
	; ;
_	·
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Armella Jan Magney TITTE. Bookkeepe	er DATE: 07-12-00
· · · · · · · · · · · · · · · · · · ·	EPHONE NO(505) 393-1079
	4

TITLE En vironing Libertoys!

District I - (505) 393-6161 2. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

CRI

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropring District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X Verbal Approval Received: Yes No X	4. Generator EQUILON PIPELINE CO., LL 5. Originating Site HOUSTON, TX 77252
2. Management Facility Destination CONTROLLED RECOVERY, INC	•
3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR)	
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	
02-004	
SOIL CONTAMINATED WITH CRUDEOIL GENERATED BY A PIPE	LINE SPILL.
I AM ENCLOSING ANALYTICAL DATA, CHAIN OF CUSTODY, AND OF WASTE STATUS.	D CERTIFICATE
•	e e e
Estimated Volume 300 CUBIC YARDS cy Known Volume (to be entered by the open SIGNATURE: Carmella (an Magnes TITLE: BOOKKEE Waste Management Facility Authorized Agent	PER DATE: 2-6-01
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TEL	EPHONE NO. <u>(505) 393-1079</u>
(This space for State Use)	
APPROVED BY: TITLE:	DATE:

02/05/2001 00:08 _____02/05/01 00:37

713-241-4119 \$5053933615

TRUCKING COMPANY Un Known

EQUILON JENA CRI

PAGE 02/02

GERWIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR: Equilon Pipeline Company LLC

ADDRESS P.O. Box 2648, Houston, TX 77252

GENERATING SITE 2/4 W. County Rd 61, Hobbs, NM 88240

COUNTY Lea STATE NM

TYPE OF WASTE Soil confaminated with crude oil

ESTIMATED VOLUME approx 300 cy

GENERATING PROCESS Pipeline Spill

REMARKS

NMOCD FACILITY

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT	sena Henry	
NAME	SIGNATURE (Jena)	Henry
ADDRESS	PRINTED P.O. Box 264	H
	touston, TX	77252
DATE 2	501	

713-241-4119

35053933615

EQUILON JENA

PAGE 02



PHONE (915) 873-7001 . 2111 BEECHWOOD . ABILENE, TX 78803

PHONE (505) 393-2325 . 101 E. MARLAND . HOBBS, NM 89240

ANALYTICAL RESULTS FOR **CJR CONTRACTORS** ATTN: J.L. HAM P.O. BOX 1080 DENVER CITY, TX 79323

FAX TO: (806) 592-3412

Receiving Date: 01/08/01 Reporting Date: 01/09/01 Project Number: NOT GIVEN Project Name: EQUILON PIPELINE Project Location: HOBBS, NEW MEXICO Analysis Date: 01/08/01 Sampling Date: 01/08/00 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

TPH

SAMPLE ID LAB NUMBER (mg/Kg)

H5504-1	TPH-SOUTH END 2' DEPTH	387
H5504-2	TPH-NORTH END 2' DEPTH	208
Outline Constal		234
Quality Control		
True Value QC		240
% Recovery		97.5
Relative Percent	N'a	2.1

METHOD: EPA 600/4-79-020 418,1

Suy en fa Carle

CJR CONTRACTORS

PLE) SENOTE DESTRIPTION DESTRUCTES. Cardinal's liability and disn'te exclusive remady for any defin dissing, whether beard in contract or tork, what pe limited All clums, including times for registerize and any other cause wristsower shall be deemed waived unless matter in writing and received by Cardinal within tality (2 services in no event shall cardinal be fishel for incidental or consequential demages, including, without limitation, business instructions, together any of the services hereunder by Cardinal, regardess of whether such data is besed upon any of the grising, whether beard in contract or fort, what he limited to the amount pass by your make made in writing and received by Carolinal Within thirty (20) days after completion of the a made in writing and received by Carolina Within thirty (20) days after completion of the a

5.0

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EQUILON JENA

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PAGE 03

02/06/01 92/02/2001

01:59

713-241-4119

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JAN 11 '01 14:24



FRONE (916) 674-7001 - 2111 BESCHANDOD - ARLIENE TX 79803 PHONE (606) \$93-2224 - 101 E. MARLAND - HORRE, NW 80240

ANALYTICAL RESULTS FOR CUR CONTRACTORS ATTN: J.L. HAM 401 WEST BROADWAY HOBBS, NM 88240 FAX TO:

Receiving Date: 01/08/01 Reporting Date: 01/09/01 Project Number: NOT GIVEN

Relative Percent Difference

Project Name: EQUILON PIPELINE

Project Location: HOBBS, NEW MEXICO

Sampling Date; 01/09/01 Sample Type: SOIL

Sample Condition: COOL, INTACT

Sample Received By: BC

Analyzed By: JA

LAB NUMB ER	SAMPLE ID	BENZENE (mp/Kg)	TOLUMNE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYBIS DAT	Ē	01/09/01	01/09/01	01/09/01	01/09/01
H5504-3	BIEX EXCAVATED	0.292	0.254	2.79	7.25
H5504-4	BTEX EAST AREA	0,739	1.91	12,3	24.8
Quality Control		0,100	0,107	0.091	0.283
True Value QC		9,100	0.100	0.100	0.300
% Accuracy		100	107	91	94,3

METHOD: EPA SW 846-8020, 5030, Gas Chromatography

H55046HOBBOBTEXONLY

02/02/2001 10:30

713-241-4119

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CRI EQUILON JENA CARDINAL LAB HOBBS

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PHONE (915) 572-7001 - 2111 BEECHWOOD - ABILENE, TX 78602

PHONE (505) \$93-2326 . 101 E. MARLAND . MOBBS, NM 88240

ANALYTICAL RESULTS FOR CJR CONTRACTORS ATTN: J.L. HAM 401 W. BROADWAY DENVER CITY, TX 79323 FAX TO:

Receiving Date: 01/08/01 Reporting Date: 01/18/01 Project Number: NOT GIVEN Project Name: EQUILON PIPELINE Project Location: HOBBS, NM

Lab Number, H5504-1 Sample ID: COMP, 1-4 Analysis Date: 01/17/01 Sampling Date: 01/08/01 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC Analyzed By: GP

	EPA	Sample Result	Method			True Value
TCLP VOLATILES (ppm)	LIMIT	H5504-1	Blank	QC	WRACOV.	QC
Vinyl Chioride	0,20	<0.005	<0.006	0.092	92	0,100
1,1-Dichioroethylene	0.7	<0.005	<0.005	0.102	102	0.100
Methyl Ethyl Katone	200	<0.050	<0.050	0.100	100	0.100
Chloroform	8.0	<0.006	<0.005	0.094	94	0,100
1,2-Dichloroethans	0.5	<0.005	<0.005	0.096	96	0.100
Benzene	0.5	<0.005	<0.005	0.084	84	0.100
Carbon Tetrachleride	0.5	<0.005	<0.006	0.093	93	0.100
Trichloroethylene	0,5	<0.005	<0.005	0.098	96	0.100
Tetrachiorosthylene	0,7	<0.005	<0.006	0,101.	, 101	0,100
Chlorobenzane	100	<0,005	<0.005	0.093	93	0.100
1,4-Dichlorobenzone	7.6	<0.006	<0.005	0.099	20	0,100

% RECOVERY

	77,122
1,2-Dighloroethans-d4	. 98
Toluene-d8	101
Bromofluorobenzene	101

METHOOS; EPA SW 848-8260, 1317

02/02/2001 10:30

713-241-4119 5053932476

25053933615

CRI EQUILON JENA CARDINAL LAB HOBBS

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PAGE



PHONE (815) 673-7001 . 2111 BRECHWOOD . ABILENE, TX 79803

PHONE (605) 888-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR CUR CONTRACTORS ATTN: J.L. HAM 401 W. BROADWAY DENVER CITY, TX 79323 FAX TO:

Receiving Date: 01/08/01 Reporting Date: 01/17/01 Project Number: NOT GIVEN Project Name: EQUILON PIPELINE Project Location: HOBBS, NM

Lab Number: H5504-1 Sample ID: COMP. 1-4 Analysis Date: 01/13/01 Sampling Date: 01/06/01 Sample Type: 801L

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By. BC

•	EPA	Sample Result	Method	•		True Value
TCLP SEMIVOLATILES (PPM)	LIMIT	H6504-1	Blank	Ø¢.	% Recov.	QC
Pyridine	5.00	<0.020	<0.005	0.022	44	0.050
1,4-Dichicrobenzene	7.50	<0.020	<0.005	0.030	60	0,050
o-Cresol	200	<0.020	<0.005	0.026	52	0,060
m, p-Cresol	200	<0,020	<0.005	0.024	48	0.050
Herachlorostrane	3,00	< 0.020	<0.005	0.027	54	0,050
Nitrobenzane	2.00	<0,020	<0.005	0.026	52	0.050
Hermohloro-1,3-butadiene	0,500	<0.020	<0.005	0.024	48	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.028	56	0,050
2,4,6-Trichlorophenol	400	<0.020	<0.005	0.032	64	0.060
2,4-Dinitrotoluene	0.130	< 0.020	<0.005	0.029	58	0.050
Heachlorobenzene	0.130	<0.020	<0.008	0.022	44	0.050
Pentachlorophenol	100	<0.020	<0.005	0.030	60	0.050

	% RECOVERY_
Fluorophenol	32
Phenol-45	21
Nitrobenzane d5	59
2-Tuorobiphenyi	86
2,4,6-Tribromophenol	89
Terphenyl-d14	117

METHODS: EPA SW 848-8270, 1811, 3510

17/01

02/06/01

11:41

02/02/2001 01:59 02/02/2001 10:30 713-241-4119

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5053932476

CRI

EQUILON JENA CARDINAL LAB HOBBS

2008 PAGE 06

PAGE 93



PHONE (815) 673-7001 . 2111 BEECHWOOD . ABILENE TX 70603

PHONE (606) 893-2826 . 101 E. MARLAND - HOMBS, NM 86240

ANALYTICAL RESULTS FOR CUR CONTRACTORS ATTN: J.L. HAM 401 W. BROADWAY DENVER CITY, TX 79323

Receiving Date: 01/08/01 Reporting Date: 01/17/01

Project Number: NOT GIVEN Project Name: EQUILON PIPELINE

Project Location: HOBBS, NM

Sampling Date: 01/08/01 Sample Type: SOIL

Sample Condition; COOL & INTACT

Sample Received By: BC Analyzed By: AH/BC

REACTIVITY

LAB NUMBER SAMPLE ID

Sulfide

FAX TO:

Cyanide CORROSIVITY IGNITABILITY

(ppm)

(ppm)

(pH)

(°F)

ANALYSIS DATE:		01/17/01	01/17/01	01/17/01	01/17/01
H5504-1	COMP. 1-4	Not reactive	Not reactive	8.25	Nonflammable
·					
					
Quality Contr		NR	NR	7.02	NR
True Value Q	C	NR	NR	7.00	NR
% Recovery		NR	NR	100	NR
Relative Perc	ent Difference	NR	NR	0.1	NR

METHOD: EPA SW 848-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Just a coshe

02/02/2001 10:30

1 25053933615

713-241-4119 5053932476 CRI EQUILON **JENA**

CARDINAL LAB HOBBS

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PHONE (915) 679-7001 . 2111 BEECHWOOD . ABILENE, TX 78603

PHONE (505) 393-2928 - 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR CJR CONTRACTORS ATTN: J.L. HAM 401 W. BROADWAY DENVER CITY, TX 79323 FAX TO:

Receiving Date: 01/08/01
Reporting Date: 01/19/01
Project Number: NOT GIVEN
Project Name: EQUILON PIPELINE
Project Location: HOBBS, NM

Sampling Date: 01/08/01 Sample Type: 80IL

Sample Condition: COOL & INTACT"

Sample Received By: BC

Analyzed By: AH

TCLP METALS

•	rcl.	METALS		•4.		•		
SAMPLE ID	As	Ag	Ba	Çd	° Cr	Pb	Hg	Se
•	∌pm	bb m	<u>p</u> pm	ppm	ppm	ppm	, ppm	/ ppm
DATE	01/15/01	01/16/01	01/16/01	01/18/01	01/16/01	01/18/01	01/19/01	01/16/01
8:	5	5	100	1	5	5	0.2	1
COMP. 1-4	<1	ধ	₹5	<0.1	<1	<1	<0.02	<0.1
								,
itrol	0.194	4.859	25.67	1.050	5,117	5.001	0.00604	0. 05 3
QC	0,200	5,000	25.00	1,000		5.000	0.00800	0.050
7	97.0			106			101	108
anderd Deviation	2.4				1.2	0,5		5,8
EPA 1311, 600/4-91/	208.2	272.1	208.1	213.1	218.1	239.1	245.1	270,2
	DATE: B: COMP. 1-4 comp. 1-4 architecture compared perfection	SAMPLE ID As ppm DATE: 01/15/01 S: 5 COMP. 1-4 <1 Online 0,194 QC 0,200 (97.0 Indeed Deviation 2.4	DATE: 01/15/01 01/16/01 3: 5 5 COMP. 1-4 <1 <1	SAMPLE ID As Ag Ba ppm ppm ppm ppm DATE: 01/15/01 01/16/01 01/16/01 COMP. 1-4 <1 <1 <5 COMP. 1-4 <1 <1 <5 COMP. 1-4 .859 25.67 QC 0.200 5.000 25.00 97.0 97.2 103 andered Deviation 2.4 0.3 4.8	SAMPLE ID As Ag Ba Cd ppm ppm ppm ppm ppm DATE: 01/15/01 01/16/01 01/16/01 01/16/01 E: 8 6 100 1 COMP. 1-4 <1 <1 <8 <0.1 COMP. 1-4 0.1 0.194 4.859 25.67 1.050 QC 0.200 5.000 25.00 1.000 97.0 97.2 103 105 andered Deviation 2.4 0.3 4.8 0.5	SAMPLE ID As Ag Ba Cd Cr Ppm ppm ppm ppm ppm ppm DATE: 01/15/01 01/16/01 01/16/01 01/16/01 01/16/01 S: 8 6 100 1 5 COMP. 1-4 <1 <1 <6 <0.1 <1 COMP. 1-4 01,194 4.859 25.67 1.050 3.117 QC 0.200 5.000 25.00 1.000 5.000 97.0 97.2 103 105 102	SAMPLE ID As Ag Ba Cd Cr Pb ppm ppm ppm ppm ppm ppm ppm ppm DATE: 01/15/01 01/16/01 01/16/01 01/16/01 01/16/01 01/16/01 01/16/01 5: 5 6 100 1 5 5 COMP. 1-4 <1 <1 <5 <0,1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	SAMPLE ID As Ag Ba Cd Cr Pb Hg ppm ppm ppm ppm ppm ppm ppm ppm ppm DATE: 01/15/01 01/16/01 01/16/01 01/16/01 01/16/01 01/16/01 01/16/01 01/16/01 5: 5 6 100 1 5 5 0.2 COMP. 1-4 <1 <1 <6 <0,1 <1 <1 <0.02 Date: 0.194 4.859 25.67 1.050 3.117 5.001 0.00604 QC 0.200 5.000 25.00 1.000 5.000 5.000 0.00800 1 97.0 97.2 108 106 102 100 101 Indexed Deviation 2.4 0.3 4.8 0.5 1.2 0.5 0.6

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713-241-4119 5053932476

CRI EQUILON JENA CARDINAL LAB HOBBS

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PHONE (916) 973-7001 . 2111 BEECHWOOD . ABILENE TX 78601

PHONE (505) 393-2225 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR **CJR CONTRACTORS** ATTN: J.L. HAM **401 WEST BROADWAY** HOBBS, NM 88240 FAX TO:

Receiving Date: 01/08/01 Reporting Date: 01/09/01 Project Number: NOT GIVEN Project Name: EQUILON PIPELINE

Project Location: HOBBS, NEW MEXICO

Sampling Date: 01/08/01 Sample Type: SOIL

Sample Condition: COOL, INTACT

Sample Received By, BC

Analyzed By: JA

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOWENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DAT	E	01/09/01	01/09/01	01/09/01	01/09/01
H5504-3	BTEX EXCAVATED	0.292	0.264	2.79	7.25
H5504-4	BTEX EAST AREA	0.739	1,91	12.3	24.8
Quality Control		0,100	0.107	0.091	0.283
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		100	107	91	94.3
Relative Percen	1 Difference	18.5	15.5	13.9	14

METHOD: EPA SW 848-8020, 5030, Gas Chromatography

adved unless made in writing and mashed by Cardinal within thirty (50) days after comple ing. without hydration, business therepised by Cardinal within thirty (50) days after comple against hydration, business therepised is been of uses, or loss of profits incurred by a sufficial, ingardiess of whether such plain is bound upon any of the above-stated masor HIS COMMON REPORT OF THE PROPERTY OF THE PROPE

02/02/2001 01:59

02/02/2001 10:30

713-241-4119

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EQUILON JENA CARDINAL LAB HOBBS

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PAGE 05



PHONE (918) 678-7001 . 2111 BEECHWOOD . ARILENE TX 78803

· PHONE (605) 383-2328 · 101 E MARLAND · HOBBS, NM 48240

ANALYTICAL RESULTS FOR CJR CONTRACTORS ATTN: J.L HAM P.O. BOX 1080

DENVER CITY, TX 79323 FAX TO: (806) 592-3412

Receiving Date: 01/08/01 Reporting Date: 01/09/01 Project Number: NOT GIVEN Project Name: EQUILON PIPELINE

Project Location: HOBBS, NEW MEXICO

Analysis Date: 01/08/01 Sampling Date: 01/08/00 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH
		(mg/Kg)

H5504-1	TPH-SOUTH END 2 DEPTH	387
H3504-2	TPH-NORTH END 2' DEPTH	206
Quality Control.		. 234
True Value QC		240
% Recovery		97.5
Relative Percent	Oliference	2.1

METHOD: EPA 600/4-78-020 418.1

Bujen Ad Carly

02/02/2001

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST AN THE Ollisten - Vensur-1814 (305) 383-2326 Fax (305) 385-2476 STHER: ICE \ COOF P.Q. : AGHTO HOGOTH HO BONY: GROUNDWATE ARDINAL LABORATORIES, INC. CONTANTA (G) NAB GA (C) ONP. 915) 673-7001 Fax [916) 673-7020 E Excorr Delivered By: (Circle One) Semples - UPS - Bue - Others 1850

Q/bZFRECQC

C4 :01

CARMELLA

Controlled Recovery, Inc. P.O. Box 388 Hobbs, NM 88241 Phone: (505)393-1079 Fax: (505)393-3615



To	MARTYNE KIELING	From:	CARMELLA
Faxt	505-476-3462	Pages!	16, INCLUDING COVER
Phone:		Date:	02-06-01
Rei		CC:	
	Please Mail- orian	nal S	Signatures are Needed
	along with Clear Co	Dics -	Faxes are at times
	Hard to Read . The	nks l	M / .
		7	firty
] Urger	it X For Review □ Please Col	mnent	Please Reply 🔲 Please Recycle
	nents: MARTYNE, I AM SUBMITTING		FOR APPROVAL IS IT OK IF I FAX

CRI

District 1 - (505) 393-6161 2 O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

CRI

Form C-13 Originated 8/8/

Submit Origin Plus I Co to appropri: District Off

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Marathon Oil Company
Verbal Approval Received: Yes 🔲 No 🗓	5. Originating Site Gas Plant
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) P.O. Box 1324, Artesia	New Mexico
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	companied by necessary chemical analysis to on of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	
02-005	
Office and plant trash generated through office and plant operations.	
I am enclosing a non-exempt certificate of waste status, discharge pletter (see attached), to extend this process for the year 2001.	an, and
·	1 1
Estimated Volume appx. 100 yds. monthly Known Volume (to be entered by the op	ecrator at the end of the haul) cy
SIGNATURE: Bookkeep Waste Management Facility Authorized Agent	per DATE: 2-16-01
TYPE OR PRINT NAME: Carmella Van Maanen TEI	LEPHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY: TITLE:	DATE:
Or 1 or	

District 1 - (505) 393-6161 O. Box 1980 Hobbs, NM 88241-1980 District II 5 (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410

District IV - (505) 827-7131

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

to appropria District Off

Submit Origit Plus 1 Co

Form C-13

Originated 8/8/

Santa Fe, New Mexico 8750
(505) 827-7131

REQUEST FOR APPRO	VAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X		4. Generator Marathon Oil Company
Verbal Approval Received: Yes 🔲 N	10 X	5. Originating Site Gas Plant
2. Management Facility Destination Controlled Re	covery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Ho	obbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	D. Box 1324, Artesia	New Mexico
9. <u>Circle One</u> :		
A. All requests for approval to accept oilfield exergence Generator; one certificate per job. B. All requests for approval to accept non-exemp PROVE the material is not-hazardous and the listing or testing will be approved.	ot wastes must be acco	empanied by necessary chemical analysis to
All transporters must certify the wastes delivered are	e only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:		
02-005		
Office and plant trash generated through office ar	nd plant operations.	
I am enclosing a non-exempt certificate of waste letter (see attached), to extend this process for the		n, and
Estimated Volume appx. 100 yds. monthly Known Volume	(to be entered by the ope	rator at the end of the haul) ————————————————————————————————————
SIGNATURE: Waste Management FacilityAuthorized Agent	TITLE: Bookkeep	er DATE: 2-16-01
TYPE OR PRINT NAME: Carmella Van Maanen	Teli	EPHONE NO. (505) 393-1079
(This space for State Use)		
APPROVED BY:	TTTLE:	DATE:
APPROVED BY:	TTTLE:	DATE:

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Marathon Oil Company
ADDRESS P.O. Box 1324, Artesia, NM-88211-1324
GENERATING SITE Indian Basin Gas Plant
GENERATING SITE INCIAN BASIN GAS FIAME
COUNTY Eddy STATE NM
TYPE OF WASTE Office and Plant trash
ESTIMATED VOLUME approximately 100 yards monthly
GENERATING PROCESS Office and plant operations
for year 2001
REMARKS See attached letter and discharge plan
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY <u>Unknown</u>
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT AGENT Pat Reynolds PRINTED
ADDRESS P.O. Box 1324
Artesia, NM 88211-1324
DATE 2-15-0/

Production Operations, United States

139



P.O. Box 1324 Artesia, NM 88211-1324 Telephone 505/457-2621

To:

Controlled Recovery Inc.

Attention:

Ken Marsh

Dear Sir;

We are seeking approval to dispose of our office and plant trash at your facility. Through our groundwater discharge plan we currently have approval from the New Mexico Oil Conservation Division to dispose of this nonexempt, non-hazardous waste at the Carlsbad municipal landfill (see attached Table 2). If you need anything further or have any questions, please call.

Thank you,

Pat Reynolds

E&S Technician

Indian Basin Operations

Waste	Waste Classification	Treatment/Disposal Melhod(s)	Disposal/Recycle Location	Plant Storage Location
kup lighting, and vehicle)	nonexempt, potentially hazardous	recycle	The Tire CoCarlsbad,NM	drum storage area
		exempt waste disposal facility exempt waste disposal facility	Exempt waste disposal facility 2) I sail and nonhaz landfill*	roll-off bin when needed
COOLING TOWER OF EANING WASTE SOLIDS	noneyempt poleplially hazardous	intection off site Class II well	I & W Services, Artesia, NM	frac tank until testing complete
	nonexempt notentially hazardous	recycle	NA.	drum storage area
OL & AMINE FILTERS & FILTER MEDIA (glycol		1) recycle by incineration 2)	_	
	exempt	clity	_	south east of plant
or,			Carlsbad municipal landfill or Lea	disposter on west side plant
recompressors, & generators)	nonexempt nonhazardous		_	Chilbatel Oil Meat and Prairi
FILTERS- NATURAL GAS FILTERS	exempi	1) recycle by incineration 2) exempt waste disposal facility	Quell or Procycle Exempt waste disposal facility	south east of plant
SOR/ AIR COMPRESSOR	noneyemp)	recycle by incineration	Quelt or Procycle	west side plant
	noncomp	recycle by incineration	Quell or Procycla	south east of plant
FILTERS-TORBINE COBE OIL FILTERS	nonexempt	1) exempt waste disposal facility	disposel facility 2)	roll-off bin or drums when
GLYCOL CERAMIC SADDLES, SPENT	exempt	2) nonhaz industrial landfill*	Lea Land nonhaz landfill*	needed
-	nonexempt, potentially hazardous	as dictated by sampling	as dictated by sampling	77
LABORATORY WASTES (starch and iodine, silver nitrate, water test reacents)	nonexempt, potentially hazardous	incinerated	Safety-Kleen determines	drum storage area
AD CIEVE COENT	avenot	exempt waste disposal facility nonhaz industrial landfill*	Exempt waste disposal facility 2) Lea Land nonhaz landfill*	west side plant
ADIOACTIVE MATERIAL (NORM)	NORM waste	unknown pending State Regulation	unknown	NORM storage area
	nonexempt nonhazardous	dumpster	Carlsbad municipal landfill	west side plant
_				
pressure pumps), regen compressor, instrument air compressor lube oil, stabilizer vapors compressor oil, turbine/expander compressor				
oil, generator oil, inlet compressor oil	nonexempt	recycle	Procycle	On recycle storage area
PAINT, WASTE (non-empty cans, dried paints, waste paint)	nonexempt, potentially hazardous	incinerated; supplemental fuel	Safety-Kleen determines	drum storage area
	exempt & nonexempt	recycle by incineration	Quell or Procycle	soun east of plant
	nonexempt hazardous	recycle	Safety-kleen determines	pumper shack, so-gallon droin
NT	nonexempt nonhazardous	recycle	Safety-Nieen determines	landfarm staging area
	exempt	landiarrung /bioremediation	plantiandam	landfarm staging area
	nonexempx	landfarming /bioremediation	Nant landfarm	landfarm staging area
SOIL GLYCOL CONTAMINATED (Spein)	nonexemp	landfarming /bioremediation	plant landfarm	landfarm staging area
) (exempt)	exempt	landfarming /bioremediation	plant landfarm	landfarm staging area
	nonexempt	landfarming /bioremediation	plant landfarm	landfarm staging area
R RECOVERY UNIT SPENT CATALYST & SUPPORT	avenue.	exempt waste disposal facility nonhaz industrial tandfill*	Exempt waste disposal facility 2) Lea Land nonhaz landfilt*	roll-off bin when needed
		1) land discharge	1) West side of SRU, west of fence 2)	
SULFUR, OFF-SPEC	nonexempt nonhazardous	2) nonhaz industrial landfill	Lea Land Nonhaz Landfill	
		1) land discharge	1) West side of SRU, west of fence 2)	
ED SOIL	nonexempt nonnazaroous	c) nomaz nadora anom	The Ire CoCarlsbad NM	
TOTO, ALTROPH COLD	Horrowenia Horrison			

(This space for State Use)

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator Weatherford ALS 1. RCRA Exempt: \[\Gamma Non-Exempt: X 5. Originating Site Hobbs Facility Verbal Approval Received: ∇ 6. Transporter 2. Management Facility Destination CRI Controlled Recovery, Inc. 8. State New Mexico 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) 1802 W. Marland, Hobbs New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 02-006 Sump sludge Sump material from washing of downhole oilfield pumps and equipment. Enclosed is analytical data, chain of custody, and certificate of waste status. This material has been approved in the past. Estimated Volume 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) SIGNATURE Carmella, Jan M James TITLE: Bookkeeper ____ DATE: 2-21-01 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen _____ TELEPHONE NO. ___(505) 393-1079

Imitability

TITLE:

TITLE:

DATE:

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CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Weatherford ALS	 .	
ADDRESS Box 371, Hobbs, NM 88241		
GENERATING SITE Hobbs Facility, 1802 West Marland, F	lobbs, Ni	1
COUNTY Lea STATE NM	_ 	
TYPE OF WASTE Sump Sludge		
ESTIMATED VOLUME 300 Bbls.		
GENERATING PROCESS Washing of downhole oilfield	_	
pumps and equipment.		
REMARKS	_	
NMOCD FACILITY Controlled Recovery, Inc.	·•	
TRUCKING COMPANY CRI		
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C.		
and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.		
AGENT Hames Shalin		
SIGNATURE	5911-65	
PRINTED	<u>ئے</u>	
ADDRESS 1802 W. Marland	62	
Hobbs, NM 88240		
DATE 2-21-01		



PHONE (815) 673-7001 - 2111 BEECHWOOD - ABILENE TX 79803

PHONE (605) 383-2326 - 101 E. MARLAND - HOBBS. NIA 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2821 W. MARLAND HOBBS, NM 88240 FAX TO: (505) 383-4892

Receiving Date: 02/01/01
Reporting Date: 02/08/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: GP/AH

TCLP METALB

LAB NO. SAMPLE ID	As ppm	Ag ppm	Ba ppm	PPm Cd	bb _{LU} Cl	Pb ppm	Hg ppm	, Se ppm
ANALYSIS DATE:	02/05/01	02/06/01	02/06/01	02/06/01	02/06/01	02/06/01	02/06/01	02/05/01
EPA LIMITS;	5	5	100	1	5	5	0.2	1
H5571-1 SUMP	ধ	<1	<5	<0.1	ব	ব	€0.63	<0.1
					,			
			10.00			2.22		
Quality Control	0.061	4.870		1,008	0.965	5.061	0.00687	0.197
True Value QC	0.050	5.000		1.000	1.000	5.000	0.00600	0.200
% Recovery	102	97.4	99.9	101	96.5	101	97.8	88.5
Relative Standard Deviation	5.5	0.3	1.2	0.2	3.6	8.4		8,5
METHODS: EPA 1311, 600/4-91/	206.2	272.1	208,1	213,1	218.1	239.1	245.1	270.2

Geyle A. Potter, Chemies

02/12/200;

FLEASTER Limited and Surrages. Cardinate liability and clients acclusive tempty for any claim arising, whether beand in contract or soft, shall be limited to the arrown paid by client for analyses. At client, including these for negligates and any other cicals establishment in deepend which writing and messaged by Candinal within thirty (NO) days after completion of the applicable service. In the deep state Candinal by little for analysis of contracting the little for analysis of contracting the service in the deep state for any other analysis of the interest of analysis of the interest of an analysis of the inte



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

PHONE (805) 903-2326 - 101 E. MARLAND - HOSBS, NEW 88247

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2621 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 383-4892

Receiving Date: 02/01/01
Reporting Date: 02/14/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/BC

REACTIVITY

LAB NUMBER SAMPLE ID	Sulfide	Cyanida C	ORROSIVITY	IGNITABILITY	
	(mea)	(ppm)	(pH)	(P)	•

ANALYSIS DATE:	02/07/01	02/07/01	02/13/01	02/14/01
H5571-1 SUMP	Not reactive	Not reactive	7.19	93
		-		
Quality Control	NR	NR	7.03	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	100	NR
Relative Percent Difference	NR	NR	0.1	NR

METHOD: EPA SW 848-7.3, 7.2, 1010, 1311, 40 CFR 261

Burgass & Coshi

Date



PHONE (915) 673-7001 . 2111 BEECHINOOD . ABILENE, TX 79503

PHONE (505) 393-2328 - 101 E. MARLAND - HOBBS, NM 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2621 W. MARLAND HOBBS, NM, 88240 FAX TO: (505) 393-4882

Receiving Date: 02/01/01 Reporting Date: 02/12/01 Project Number. NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN Lab Number: HS571-1

Sample ID: SUMP

Amalysis Oato: 02/08/01 Sampling Date: 02/01/01 Semple Type: SLUDGE

Semple Condition: COOL & INTACT

Sample Received By. AH Analyzed By: BC

EPA Sample Result Method True Value TCLP SEMIVOLATILES (ppm) H\$571-1 LIMIT Blank QC QC % Recov. Pyridine 5.00 €0.005 0.016 0.050 **49.020** 33 <0.008 1,4-Dichlorobanzana 7.50 <0.020 0:098 0.050 €0.005 0.060 200 <0.020 0.036 o-Cresci 72 m. p-Cresoi €0.005 0.060 200 € 020 0.037 74 Hexachloroethane 3.00 **<0.020** <0.003 0.038 78 0.050 Nitrobenzene 2.00 <0.020 <0.006 0,040 80 0.050 Herechioro-1,3-butadiens 0.500 <0.020 ₹00.00 0.035 0.050 70 0.041 2,4,6-Trichlorophenol 2.00 <0.020 <0.006 R 0.050 2,4,5-Trichlorophenol 400 **40.00**0 <0.005 0.041 82 0.050 2.4-Dintrotoluene 0.050 <0.020 <0.005 0.043 0.130 8 0.130 0.058 Heichiorobenzene <0.005 0.037 ₹9.020 74 Permichlorophenol €0.020 <0.005 0.041 100 0.050

	% RECOVERY
Fluorophenol	79
Phenoi-d5	54
Nitrobenzene-d5	97
2-Fluorobiphenyl	108
2,4,6-Tribromophenol	77
Terphanyi-d14	113

METHODS: EPA SW 846-8270, 1311, 3510



PHONE (915) 873-7601 - 2111 BEECHWOOD - ABILEME, TX 79803

PHONE (606) 193-2328 . 101 E. MARLAND . HOBBS. NM 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2821 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 383-4892

Receiving Date: 02/01/01 Reporting Date: 02/02/01 Project Number: NOT GIVEN Project Name: NOT GIVEN

Project Location: NOT GIVEN

LAB NUMBER

Analysis Date: 02/01/01 Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TPH

	(mg/L)
H5571-1 SUMP	792000
Quality Control	39.3
True Value QC	40.0
% Recovery	98,3

SAMPLE ID

METHOD: EPA 800/4-79-020 418.1

Relative Percent Difference



PHONE (#15) 873-7801 . 2111 BEECHMOOD . ABILENE, TX 79803

PHONE (605) 393-2329 . 101 E. MARLAND - HOBBS, NW 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2821 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 383-4892

Receiving Date: 02/01/01 Reporting Date: 02/05/01 Project Number: NOT GIVEN Project Location: NOT GIVEN Project Location: NOT GIVEN

Lab Number: H5671-1 Sample ID: 6UMP Analysis Dete: 02/04/01 Sempling Date: 02/01/01 Semple Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

	EPA	Sample Result	Method			True Value
TCLP VOLATILES (ppm)	LIMIT		Blank	90	%Recov.	QC
Vinyl Chloride	0.20	<0.005	<0.005	0.101	101	0.100
1,1-Dichlorosthylene	0.7	<0.005	<0.005	0.086	86	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.092	92	0.100
Chloroform	6.0	<0.006	<0.005	0.089	86	0.100
1.2-Dichiorosthans	0.5	<0.005	<0.005	0.092	82	0.100
Benzene	0.5	<0.005	<0.005	0.090	90	0.100
Cerbon Tetrachloride	0.5	<0.005	<0.005	0.083	83	0.100
Trichlorgethylene	0.5	<0.005	<0.005	0.090	80	0.100
Tetrachlorosthylene	0.7	<0.005	<0.005	0.085	95	0.100
Chlorobenzane	100	<0.005	<0.005	0.092	92	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.090	90	0.100

% RECOVERY

Dibromofiuoremethene	,
Toluene-48	
Bromafluorobenzens	

METHODS: EPA SW 848-8260, 1311

Burges J. A Cook fr. a

Date

WASTEWATER SOIL SOIL CRUDE OL STUDGE OTHER: CE/COOL OTHER:	Abliene, TX 79603 101 East Mariand, Hobbs, Nil 88340 Abliene, TX 79603 101 East Mariand, Hobbs, Nil 88340 Fax (915) 873-7020 (505) 883-2126 Fax (905) 853-2478 Balance A M. 25 5 39 3-4/5 Company: We a Marian Science of Science Sci	ACEPARES, INC. ADJAN (1) East Mariand, Hobbs, Min 88240 Frace, 50 5 - 37 3 - 4 50 2 2 2 5 5 2 2 5 2 2 5 2 5 2 5 2 5 2	AMANUAL PROPERTY OF East Marchard, Hobba, Nine 88340 AMANUAL PROPERTY OF SALES Fox (605) 383-2476 France, 576 5"- 39 3-14 5" SALES Fox (Ablienn, TX 78603 101 East Martand, Hobbs, NM 88240 Ablienn, TX 78603 101 East Martand, Hobbs, NM 88240 To C TY C C C C C C C C C C C C C C C C C
WASTEWATER WASTEWATER SCIL CRUDE OL CRUDE OL STHER: ACEDRASE: CE / COOL OTHER: ANTE	SCIL CRUDE OL COMPANY: Mr. 88340 WASTEWATER SCIL CRUDE OL CRUDE OL COMPANY: Mr. 88340 COMPANSE: OTHER: ACPIDASE: OTHER: ONTE THE COMPANY: Mr. 88340 OTHER: O	WASTEWATER WASTEW	WASTEWATER WASTEWATER SCH. GRUDE OL. GRU	WASTEMATER SOIL CONTINUE CONTINUE
	TTUP COMPLETE	TO CO	AMAYSIS COMPANIES COMPANIE	AMAYSS REQUEST AMAYSS REQUEST The Control of the
	3T39mond distribution	TCLP COMPLETE	TTCPComplete Under 1	TCLP Complete UHB. UHB. AMAYSIS REQUEST AMAYSIS REQUEST AMAYSIS REQUEST AMAYSIS REQUEST

(This space for State Use)

APPROVED BY! / / Munting

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

DATE:

DATE: <u>2-</u>23-

Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ Services
Verbal Approval Received: Yes No X	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2401 Sivley, Artesia	New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by nematerial is not-hazardous and the Generator's certification of origin. No waste class approved All transporters must certify the wastes delivered are only those consigned for transposed BRIEF DESCRIPTION OF MATERIAL: 02-007 Wash rack sludge. Washing dirt and mud off of servicing equipment. Enclosed is certificate of waste status and copy of previous C-138. This material has been approved in the past.	cessary chemical analysis to PROVE the sified hazardous by listing or testing will be
SIGNATURE <u>Calemella Lan Maanen</u> TITLE: <u>Bookkee</u> Waste Management Facility Authorized Agent	per DATE: 2-21-01 PHONE NO. (505) 393-1079

TITLE:

TITLE Environment God

1980 - (202) 373-010. Hobbs, NM 88241-1980 District II - (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410

INEM INTEXTOR Energ Minerals and Natural Resource Department Oil Conservation Division 2040 South Pacheco Street

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

RECEIVED

Submit Ori; Plus 1 Č to appropi District O

A CAME C- ;

Originated &

NOV 1.7 2000 Environmental Bureau

strict IV - (505) 827-7151	Oil Conservation Division
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ Services
Verbal Approval Received: Yes No X	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2401 Sivley, Artesia	New Mexico
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL:	l for transport.
11-001 Wash rack sludge. Washing dirt and mud off of servicing equipment. I am enclosing Certificate of Waste Status nand copy of previous C-138. This material has been approved in the past.	
Estimated Volume 300 bbls. cy Known Volume (to be entered by the open SIGNATURE: Abane Volume (to be entered by the open Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TEL (This space for State Use)	
APPROVED BY I Orna u Man TITLE Anrion.	mainor Special DATE: 11/15/00

TITLE: Environmental Goolgist DATE

GERUIFICATE OF WASTE STATES

NON-EXEMPT WASTE MATERIAL

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR BJ Services
ADDRESS 2401 Sivley, Artesia, NM-
GENERATING SITE Artesia Facility
COUNTY Eddy STATE NM
TYPE OF WASTE Wash rack sludge
ESTIMATED VOLUME 300:bbls.
GENERATING PROCESS Washing dirt and mud off of
servicing equipment.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY CRI
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT Temp / Sutton
SIGNATURE NAME perry Britton
ADDRESS 2401 STELLER
ADDRESS 2401 Sivley
Artesia, NM 88210
DATE

(This space for State Use)

APPROVED BY:

APPROVED BY: 🧳

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

Santa Fe, NM 87505 REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator Star Tool Co. Non-Exempt: X 1. RCRA Exempt: 5. Originating Site Hobbs Facility Verbal Approval Received: 6. Transporter Unknown 2. Management Facility Destination Controlled Recovery, Inc. 8. State New Mexico P.O. Box 388, Hobbs 3. Address of Facility Operator Sanger & West Co. Road, Hobbs 7. Location of Material (Street Address or ULSTR) New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be All transporters must certify the wastes delivered are only those consigned for transport. **BRIEF DESCRIPTION OF MATERIAL:** 02-008 Plant and oilfield solid waste generated through plant and oilfield operations. Enclosed is certificate of waste status and letter (see attached), to extend this process for the year 2001. Estimated Volume appx. 8 lbs. monthly cv Known Volume (to be entered by the operator at the end of the haul) SIGNATURE armella Van I lagnen TITLE: Bookkeeper DATE: 2-21-01 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

TITLE:

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Star Tool Co.
ADDRESS Box 2008, Hobbs, NM 88240
GENERATING SITE Same as above
COUNTY Lea STATE NM
TYPE OF WASTE Plant and Oilfield Solid Waste
ESTIMATED VOLUME approximately 8 lbs/month for the year 2001.
GENERATING PROCESS generated through plant & oilfield operations.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT O.). WS
NAME Oscar Molina PRINTED
ADDRESS Rox 2008
Hobbs, NM 88240
DATE 2.21. 2001



PHONES: (505) 397-1533 --- 397-4988

February 20, 2001

C. R. I. Ken Marsh P.O. Box 388 Hobbs, NM 88241-0388

To Whom It May Concern:

Documents was

We would like to dispose of used oil filters, (that have been drained) and floor sweep that totals about 8 pounds per month (combined). We would also like to use your company for our disposal needs throughout the remainder of the year.

Thank you,

Oscar Molina

OM/dc

State of New Mexico Energy Minerals and Natural Resources

CRI

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Haliburton Energy Services
Verbal Approval Received: Yes No X	5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy., Hobb	Nw Mexico
9. Circle One:	
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by nematerial is not-hazardous and the Generator's certification of origin. No waste class approved 	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
02-009	
Oilfield solid waste generated through oilfield operations.	
Enclosed is a certificate of waste status, discharge plan, and letter (see attached), to extend this process for the year 2001.	
Estimated Volume appx. 320 yards monthly Known Volume (to be entered by the oper	ator at the end of the haul)cy
SIGNATURE Ahmella On Moanen TITLE: Bookkeepe Waste Management Facility Authorized Agent	DATE: 2-21-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	PHONE NO. <u>(505) 393-1079</u>
(This space for State Use)	100 To
APPROVED BY: TITLE:	DATE. MGGNGGK BATE Z-35-0 1
APPROVED BY Marting ON Mr. TITLE ENGINEERS	<u> </u>

2-21-01; 3:31PM; HALLIBURTON 15:23

CRI

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Haliburton Energy Service	· ·
ADDRESS 5801 Lovington Hwy, Hobbs, NM 88240	
GENERATING SITE Same as above	
COUNTY Lea STATE	NM
TYPE OF WASTE Oilfield trash	-
ESTIMATED VOLUME approximately 320 yards per mo	onth
GENERATING PROCESS Oilfield operations for 2001	To the t
REMARKS	
NMOCD FACILITY Controlled Recovery, Inc. TRUCKING COMPANY Unknown	. *
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultar mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections	nt
AGENT W. South SIGNATURE NAME Steve Bailey PRINTED ADDRESS 5801 Lovington Hwy.	0701
Hobbs, NM 88240 DATE 2-20-01	

To: State of New Mexico

Oil Conservation Department

From: Stephen W. Bailey

Halliburton Energy Services 5801 Lovington Hwy

Hobbs, NM. 88240

Re: Oilfield Trash

To whom it may concern, due to the changes that have come about in the handling of our Non-Hazardous Waste Streams other than Office trash. We can no longer allowed Waste Management to handle any our Non-Hazardous Oilfield Waste, other than Office Trash. We (Halliburton) are requesting that "CRI" handle the disposal our Non-Hazardous Waste Streams.

Sincerely,

Stephen W. Bailey, Halliburton Energy Services

Stephen W. Bailey

Revised 12

2-20-01; 8:56AM; HALLIBURTON

W. U. Box 1980

Pobbs, NM 88241-1980

Pistrict II - (505) 748-1283

811 S. First

Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road

Aztec, NM 87410

District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Oil Conservation Division —

2040 South Pacheco Street

Santa Fe, New Mexico 87505

(505) 827-7131

Submit Or Plus 1 C to Sar 1 Copy to approp District (

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES. GAS PLANTS. REFINERIES. COMPRESSOR, AND CRUDE OIL PUMP STATIONS (Refer to the OCD Guidelines for assistance in completing the application)

	New X Renewal Modification
1.	Type: Oil Field Service Facility
2.	Operator: Halliburton Energy Services
	Address: 5801 Lovington Highway, Hobbs, New Mexico 88240
	Contact Person: Steve Luscombe Phone: 505-392-0701
3 .	Location:/4
4.	Attach the name, telephone number and address of the landowner of the facility site.
5 .	Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facilit
6.	Attach a description of all materials stored or used at the facility.
7.	Attach a description of present sources of effluent and waste-solids. Average quality and daily volume of was water must be included.
8.	Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9.	Attach a description of proposed modifications to existing collection/treatment/disposal systems.
0.	Attach a routine inspection and maintenance plan to ensure permit compliance.
1.	Attach a contingency plan for reporting and clean-up of spills or releases.
2.	Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included
3.	Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OC rules, regulations and/or orders.
4.	CERTIFICATION
	I herby certify that the information submitted with this application is true and correct to the best of my knowled and belief.
	NAME: Sherman Pierce Title: Environmental Coordinator Signature: Pate: 9-24-97

;5053821062

DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES 5801 LOVINGTON HWY. HOBBS, NEW MEXICO 88240

Part VI. Form (optional)

Materials stored or used at the facility - for each category of material listed below provide information on the general composition of the material or specific information (including brand names if requested) whether a solid or liquid, type of container, estimated volume stored and location. Submit MSDS information for chemicals as requested. Use of this form is optional, but the information requested must be provided.

Name	General Makeup or specific Brand name (if requested)	Solids (S) or Liquids (L)	Type of container (tank, drum, etc.)	Estimated Vol. Stored	Location (Yard, Shop, Drum Stor., etc.)
Drilling Fluids (Include general makeup & types special additives, e.g. oll, chrome, etc.)	Not Applicable	·			
2. Brines (KCL, NaCL, etc.)	Not Applicable				
Acids/Caustic (provide names & MSDS sheets)	Hydrochloric Acid Acetic Acid	(L) (L)	Tanks Tank	50,000 gal 10,000 gal	Yard Yard
4. Detergents/Soaps	Cougar Soap	(L)	Опит	90 gal.	Shop
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable	÷			
6. Paraffin Treatment/ emulsion Breakers (Provide names & MSDS sheets)	Numerous Chern.	(L)	Drum/Sack	Varies	Drum Storage Bulk Plant stor
7. Biocides (Provide name & MSDS sheets)	BE-5	(L)	6 lb. jug	600 lbs.	Bulk Plant stor.
8. Others - (include other liquids & solids, e.g. cement, etc.)	Cement Types Hydraulic and Engine Oils	(S) (L)	Tank Tank	Varies Varies	Yard Shop

Part VII

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VII. Form (Optional)

Sources and Quantities of Effluent and Waste Solids Generated at the Facility - For each source include types of effluents (e.g. salt water, hydrocarbons, sewage, etc.), estimated quantities in barrels or gallons per month, and type and volumes of major additives (e.g. acids, blocides, detergents, degreasers, etc.). Use of this form is optional, but the Information requested must be provided.

Waste Type	General Composition and Source (solvents from small parts cleanin oil filters from trucks, etc.)		Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	Not Applicable		e san
2. Truck, Tank & Drum washing	Washrack water with oils from dumps, engines and hoses	100,000 gal/p month. Total water effluent	
3. Steam Cleaning of small parts Steam Cleaning of tool parts	Grease and oil from truck parts		Soap Soap
4. Solvent/Degreaser Use	Not Applicable		
5. Spent Acid, Caustics, or Completion Fluids (Describe)	Not Applicable		
6. Waste Slop Oil	Not Applicable		
7. Waste Lubrication and Motor Olls	Oil from trucks	200 gal/per month	Not Applicable
8. Oil Filters	Oil filters from trucks and engines	2-55 gal drum per month	
9. Solids and Studge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Not Applicable		

2-20-01; 8:56AM; HALLIBURTON

Part VII

CRI

Waste Type	General Composition and Source (solvents from small parts cleaning oil filters from trucks, etc.)	l .	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
10. Painting Waste	Not Applicable		
11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMEID)	Not Applicable No commingling takes place		
12. Other waste Liquids	Not Applicable		
13. Other waste Solids (cement, construction	Waste Cement	1000 sacks per month	Varies
materials, used drums)	Empty Drums	90 drums/per month	Vanes
Julus Glones Hose Rags.			

Part VIII

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VIII. Form (Optional)

Summary Description of Existing Liquid and Solids Waste Collection and Disposal - For each waste type listed in Part VII, provide summary information about onsite collection and disposal systems. Information on basic construction features, specific descriptions, and wastewater schematics should be provided as required in the guidelines. The use of this form is optional, but the summary information requested must be provided.

Waste Type	Tank (T) Drum (D)	Floor Drain (F) Sump (S)	Pits Lined (L) Unlined (U)	Onsite injection Well	Leach Field	Offsite Disposal
1. Truck Wastes		Sump	-			Sundance
2. Truck, tank and drum washing	Truck	Floor				City Sewer
3. Steam cleaning of parts, equip., tank	Drum		• 1			None
Steam cleaning tools	Drum	Sump				Solids/Sundance Liquids/City
4. Solvent/Degreaser Use	N/A					
5. Spent Acids, Caustics, or Completion Fluids	N/A				,	
6. Waste Shop oil	Tank			, ,		Specialty Oil
7. Waste Lubrication and Motor Oils	Tank					Specialty Oll
8. Oil Filters	Drum					Specialty Oil
9. Solids and Sludges from tanks		Sump				Sundance
10. Painting Wastes	N/A				,	1
11. Sewage						City of Hobbs
12. Other Waste Liquids				i		City Sewer
13. Other Waste Solids				,		City landfill

2-20-01; 8:56AM; HALL | BURTON

:5053927062

HALLIBURTON ENERGY SERVICES 5801 LOVINGTON HWY

HOBBS, NM 88240

SITE MAP INDEX APRIL 1997

- 1. 3, DAY MAGAZINES TYPE 2
- 2. RADIOACTIVE STORAGE
- 3. DRY CEMENT STORAGE
- 4. EXPLOSIVE MAGAZINE TYPE 1
- 5. EXPLOSIVE MAGAZINE TYPE 1
- 6. COUGAR ULTRA KLEEN*NIS 275 GAL
- 7. COUGAR ULTRA KLEEN (SOAP) 175 GAL
- 8. DAY MAGAZINE
- USED ANTIFREEZE, 2 55 GAL DRUMS USED OIL FILTERS, 2 55 GAL DRUMS
- 10. USED OIL TANK, 1200 GAL / 28.6 BBLS
- 11. 15W-40 MOTOR OIL, 500 GAL / 11.9 BBLS C-3 TRANSMISSION FLUID 275 GAL / 6.5 BBLS 80/90WT. GEAR LUBE 275 GAL / 6.5 BBLS SYNGEAR SH460 SYNTHETIC LUBRICANT 275 GAL / 6.5 BBLS ANTIFREEZE 275 GAL / 6.5 BBLS
- 12. DIESEL TANK LEAK-REMEDIATION COMPLETED
- 13. INJECTORAL A (SODIUM SILICATE) 20,000 GAL / 476.19 BBLS
- 14. HCL TANK (HYDROCHLORIC ACID) 25,000 GAL / 595.23 BBLS (NEW ADDITION) IN CONTAINMENT THAT HOLDS OVER 1 1/3 OF TANK CAPACITY.
- 15. CHEMICAL ADDITIVE ROOM
- 16. FE-1A TANK (ACETIC ANHYDRIDE) 10,000 GAL / 238.09 BBLS
- 17. CHEMICAL RETURN TANK 8,000 GAL / 190.05 BBLS
- 18. CHEMICAL BLEND TANK 5,000 GAL / 119.05 BBLS
- 19. HCL TANK (HYDROCHLORIC ACID) 13,000 GAL / 309.52 BBLS
- 20. HCL TANK (HYDROCHLORIC ACID) 12,000 GAL / 285.7 BBLS
- 21. WASH RACK GRIT PIT/OIL WATER SEPARATOR
- 22. PLUG CONTAINER RACK
- 23 EMPTY DNB-430 TANK*NIS
- 24. NITROGEN TANK 1,027,030 CUBIC FEET (NTF)
- 25. SAND STORAGE TANKS
- 26. GASOLINE STORAGE TANK 300 GAL / 7.14 BBLS
- 27. SAND PLANT
- 28. CEMENT SILOS
- 29. 15W-40 MOTOR OIL, 275 GAL/6.54 BBLS C-3 TRANSMISSION FLUID 275 GAL/6.54 BBLS 80/90WT. GEAR LUBE 275 GAL/6.54 BBLS ISO 100X ROCKDRILL OIL 275 GAL/6.54 BBLS
- 30. WIRELINE SPRAY, 2 @ 55 GAL DRUMS
- 31. COUGAR ULTRA KLEEN (SOAP) 175 GAL
- NOT IN SERVICE

CRI

55053933615

John College Mark College Land College Broker State College 00% TANKS TAXK ..., PAVEKBNT 2008 BIN FARKING NITROGEN HOBBS, NM - SECONDARY CONTAINMENT STOKEN WATER I LOW 5801 LOVING TON HWY HALLIBURTON ENERGY ロバーエアソコ CID DOCK о · PLANT BILOP PARKING NATIVE FOLIAGE BO OS TIER PARKING

THANKS, CARMELLA

Controlled Recovery, Inc. P.O. Box 388 Hobbs, NM 88241 Phone: (505)393-1079 Fax: (505)393-3615



То	MARTYNE KIELING	From:	CARMELLA	
Fax	476-3482	Pages:	13, INCLUDING CO	OVER
Phone:		Datei	2-21-01	
Re;		(ĜĆ:		
				
□ Urge	nt X For Review	☐ Please Comment	Please Reply	☐ Please Recycle
ASAP.	STEVE BAILEY WITH	AM FAXING YOU THE HALIBURTON WANTS 2-01) WILL YOU CALL	TO KNOW IF WE CA	IN GET AN ANSWER

17:30

02/21/01

State of New Mexico **Energy Minerals and Natural Resources**

CRI

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-138 Revised Murch 17, 1999

Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Haliburton Energy Services
Verbal Approval Received: Yes No X	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address of ULSTR) 5801 Lovington Hwy., Hobbs	Nw Mexico
 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessate is not-hazardous and the Generator's certification of origin. No waste class approved All transporters must certify the wastes delivered are only those consigned for transporters. 	cessary chemical analysis to PROVE the sified hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL:	71.
02-010	·
Oilfield solid waste generated through oilfield operations.	en e
Enclosed is a certificate of waste status, discharge plan, and letter (see attached), to extend this process for the year 2001.	∵ e e e e e e e e e e e e e e e e e e e
	•
Estimated Volume appx. 120 yards monthly Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE CAlmella Can Maanen TITLE: Bookkeepe Waste Management Facility Authorized Agent	DATE: 2-21-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. (505) 393-1079
(This space for State Use) APPROVED BY: APPROVED BY: TITLE TITLE THE ZHANNON	DATE:
APPROVED BY WW. Jan 10 W La TITLE LANGUAGE	Allowaluck DATE 3-8-01

Ø 005

02/21/01 16:48 25053933615

CRI

2/ **4**002

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Haliburton Energy Services
ADDRESS 5801 Lovington Hwy., Hobbs, NM 88240
GENERATING SITE Artesia Facility
COUNTY Eddy STATE NM
TYPE OF WASTE Oilfield Solid Waste
ESTIMATED VOLUME appx. 120 yards per month GENERATING PROCESS Oilfield operations for 2001.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY Unknown
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT Sugar W. Joulen
NAME Steve Bailey PRINTED
ADDRESS 5801 Lovington Hwy.
Hobbs, NM 88240
DATE 2-21-01

To: State of New Mexico

Oil Conservation Department

From: Stephen W. Bailey

Halliburton Energy Services

5801 Lovington Hwy Hobbs, NM. 88240

Re: Oilfield Trash

To whom it may concern, due to the changes that have come about in the handling of our Non-Hazardous Waste Streams other than Office trash. We can no longer allowed Waste Management to handle any our Non-Hazardous Oilfield Waste, other than Office Trash. We (Halliburton) are requesting that "CRI" handle the disposal our Non-Hazardous Waste Streams.

Sincerely,

Stephen W. Bailey, Halliburton Energy Services

Stepher W. Bailey

Revised 12

2-20-01; 8:56AM; HALL | BURTON Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV - (505) 827-7131

A=, FT, OT

11:33

Energy Minerals and vacural necources Department Oil Conservation Division -2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

CRI

Submit Or Plus I C to Sar I Copy to approp District (

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES. GAS PLANTS. REFINERIES. COMPRESSOR, AND CRUDE OIL PUMP STATIONS (Refer to the OCD Guidelines for assistance in completing the application)

	New X Renewal Modification
1.	Type: Oil Field Service Facility
2.	Operator: Halliburton Energy Services
	Address: 5801 Lovington Highway, Hobbs, New Mexico 88240
	Contact Person: Steve Luscombe Phone: 505-392-0701
3 .	Location:
4.	Attach the name, telephone number and address of the landowner of the facility site.
5 .	Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facilit
6.	Attach a description of all materials stored or used at the facility.
7.	Attach a description of present sources of effluent and waste-solids. Average quality and daily volume of was water must be included.
8.	Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9.	Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10.	Attach a routine inspection and maintenance plan to ensure permit compliance.
11.	Attach a contingency plan for reporting and clean-up of spills or releases.
12.	Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included
13.	Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OC rules, regulations and/or orders.
14.	CERTIFICATION
	I herby certify that the information submitted with this application is true and correct to the best of my knowled and belief.
	NAME: Sherman Pierce Title: Environmental Coordinator Signature: Alexander Pate: 9-24-97

Part VI

DISCHARGE PLAN APPLICATION

HALLIBURTON ENERGY SERVICES 5801 LOVINGTON HWY. HOBBS, NEW MEXICO 88240

Part VI. Form (optional)

Materials stored or used at the facility - for each category of material listed below provide information on the general composition of the material or specific information (including brand names if requested) whether a solid or liquid, type of container, estimated volume stored and location. Submit MSDS information for chemicals as requested. Use of this form is optional, but the information requested must be provided.

Name	General Makeup or specific Brand name (if requested)	Solids (S) or Liquids (L)	Type of container (lank, drum, etc.)	Estimated Vol. Stored	Location (Yard, Shop, Drum Stor., etc.)
Drilling Fluids (Include general makeup & types special additives, e.g. oil, chrome, etc.)	Not Applicable				
2. Brines (KCL, NaCL, etc.)	Not Applicable				
Acids/Caustic (provide names & MSDS sheets)	Hydrochloric Acid Acetic Acid	(r) (r)	Tanks Tank	50,000 gai 10,000 gai	Yard Yard
4. Detergents/Soaps	Cougar Soap	(L)	Drum	90 gal.	Shop
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable	·.			
6. Paraffin Treatment/ emulsion Breakers (Provide names & MSDS sheets)	Numerous Chern.	(L)	Drum/Sack	Varies	Drum Storage Bulk Plant stor.
7. Blocides (Provide name & MSDS sheets)	BE-5	(L)	6 lb. ju g	600 lbs.	Bulk Plant stor.
•	Cement Types Hydraulic and Engine Olls	(S) (L)	Tank Tank	Varies Varies	Yard . Shop

Part VII

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VII. Form (Optional)

Sources and Quantities of Effluent and Waste Solids Generated at the Facility - For each source include types of effluents (e.g. salt water, hydrocarbons, sewage, etc.), estimated quantities in barrels or gallons per month, and type and volumes of major additives (e.g. acids, blocides, detergents, degreasers, etc.). Use of this form is optional, but the information requested must be provided.

Waste Type	General Composition and Source (solvents from small parts cleanin oil filters from trucks, etc.)		Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	Not Applicable		
2. Truck, Tank & Orum washing	Washrack water with oils from dumps, engines and hoses	100,000 gai/p month. Total water effluent	1 .
3. Steam Cleaning of small parts Steam Cleaning of tool parts	Grease and oil from truck parts		Soap Soap
4. Solvent/Degreaser Use	Not Applicable		
5. Spent Acid, Caustics, or Completion Fluids (Describe)	Not Applicable		
6. Waste Slop Oil	Not Applicable		
7. Waste Lubrication and Motor Oils	Oil from trucks	200 gal/per month	Not Applicable
8. Oil Filters	Oil filters from trucks and engines	2-55 gal drum per month	
Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Not Applicable		

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Part VII

Waste Type	General Composition and Source (solvents from small parts cleaning oil filters from trucks, etc.)	i .	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
10. Painting Waste	Not Applicable		
11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMEID)	Not Applicable No commingling takes place		
12. Other waste Liquids	Not Applicable		
13. Other waste Solids (cement, construction materials, used drums)	Empty Drums	1000 sacks per month 90 drums/per month	Varies Varies
Jucks Glones Hose Rags.			

Part VIII

DISCHARGE PLAN APPLICATION

OILFIELD SERVICE FACILITIES

Part VIII. Form (Optional)

Summary Description of Existing Liquid and Solids Waste Collection and Disposal - For each waste type listed in Part VII, provide summary information about onsite collection and disposal systems. Information on basic construction features, specific descriptions, and wastewater schematics should be provided as required in the guidelines. The use of this form is optional, but the summary information requested must be provided.

				,		,
Waste Type	Tank (T) Drum (D)	Floor Drain (F) Sump (S)	Pits Lined (L) Unlined (U)	Onsite injection Well	Leach Field	Offsite Disposal
1. Truck Wastes		Sump				Sundance
2. Truck, tank and drum washing	Truck	Floor				City Sewer
3. Steam cleaning of parts, equip., tank	Drum					None
Steam cleaning tools	Drum	Sump				Solids/Sundance Liquids/City
4. Solvent/Degreaser Use	N/A					
5. Spent Acids, Caustics, or Completion Fluids	N/A					
6. Waste Shop oil	Tank					Specialty Oil
7. Waste Lubrication and Motor Oils	Tank				, .	Specialty Oil
8. Oil Filters	Drum					Specialty Oil
9. Solids and Sludges from tanks		Sump				Sundance
10. Painting Wastes	N/A					
11. Sewage						City of Hobbs
12. Other Waste Liquids			{			City Sewer
13. Other Waste Solids						City landfill

CRI

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HALLIBURTON ENERGY SERVICES 5801 LOVINGTON HWY HOBBS, NM 88240

SITE MAP INDEX APRIL 1997

- 1. 3, DAY MAGAZINES TYPE 2
- 2. RADIOACTIVE STORAGE
- 3. DRY CEMENT STORAGE
- 4. EXPLOSIVE MAGAZINE TYPE 1
- 5. EXPLOSIVE MAGAZINE TYPE 1
- 6. COUGAR ULTRA KLEEN*NIS 275 GAL
- COUGAR ULTRA KLEEN (SOAP) 175 GAL
- 8. DAY MAGAZINE
- USED ANTIFREEZE, 2 55 GAL DRUMS USED OIL FILTERS, 2 55 GAL DRUMS
- 10. USED OIL TANK, 1200 GAL / 28.6 BBLS
- 11. 15W-40 MOTOR OIL, 500 GAL / 11.9 BBLS
 C-3 TRANSMISSION FLUID 275 GAL / 6.5 BBLS
 80/90WT. GEAR LUBE 275 GAL / 6.5 BBLS
 SYNGEAR SH460 SYNTHETIC LUBRICANT 275 GAL / 6.5 BBLS
 ANTIFREEZE 275 GAL / 6.5 BBLS
- 12. DIESEL TANK LEAK-REMEDIATION COMPLETED
- 13. INJECTORAL A (SODIUM SILICATE) 20,000 GAL / 476.19 BBLS
- 14. HCL TANK (HYDROCHLORIC ACID) 25,000 GAL / 595.23 BBLS (NEW ADDITION) IN CONTAINMENT THAT HOLDS OVER 1 1/3 OF TANK CAPACITY.
- 15. CHEMICAL ADDITIVE ROOM
- 16. FE-1A TANK (ACETIC ANHYDRIDE) 10,000 GAL / 238.09 BBLS
- 17. CHEMICAL RETURN TANK 8,000 GAL / 190.05 BBLS
- 18. CHEMICAL BLEND TANK 5,000 GAL / 119.05 BBLS
- 19. HCL TANK (HYDROCHLORIC ACID) 13,000 GAL / 309.52 BBLS
- 20. HCL TANK (HYDROCHLORIC ACID) 12,000 GAL / 285.7 BBLS
- 21. WASH RACK GRIT PIT/OIL WATER SEPARATOR
- 22. PLUG CONTAINER RACK
- 23. EMPTY DNB-430 TANK*NIS
- 24. NITROGEN TANK 1,027,030 CUBIC FEET (NTF)
- 25. SAND STORAGE TANKS
- 26. GASOLINE STORAGE TANK 300 GAL / 7.14 BBLS
- 27. SAND PLANT
- 28. CEMENT SILOS
- 15W-40 MOTOR OIL, 275 GAL/6.54 BBLS
 C-3 TRANSMISSION FLUID 275 GAL/6.54 BBLS
 80/90WT. GEAR LUBE 275 GAL/6.54 BBLS
 ISO 100X ROCKDRILL OIL 275 GAL/6.54 BBLS
- 30. WIRELINE SPRAY, 2 @ 55 GAL DRUMS
- 31. COUGAR ULTRA KLEEN (SOAP) 175 GAL
- NOT IN SERVICE

008 XXX BIN FARKING NITROGEN SECONDARY CONTAINMENT STURM WAITER IT LOW HALLIBURTON BNERGY 5001 LOVINGTON HWY HOBBS, NM 0 * GNVS PLANT SHOP PARKING NATIVE FOLIAGE BOOSTER PARKING PARKING PROM ROAD

Controlled Recovery, Inc. P.O. Box 388 Hobbs, NM 88241 Phone: (505)393-1079 Fax: (505)393-3615



To	MARTYNE KIELING	From:	CARMELLA	
Fax	476-3482	Pages:	13, INCLUDING C	OVER
Phone:		Date:	2-21-01	
Re:		CC:		
□ Urge	nt X For Review	☐ Please Comment	Please Reply	☐ Please Recycle
ASAP.	STEVE BAILEY WITH	AM FAXING YOU THE HALIBURTON WANTS 12-01) WILL YOU CALL	TO KNOW IF WE C	AN GET AN ANSWER
THANK	(S, CARMELLA			

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Revised March 17, 1999

Form C-138

Submit Origina
Plus 1 Copy
Plus 1 Copy
to Appropriate
District Office Santa Fe, NM 87505

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE		
1. RCRA Exempt: Non-Exempt: X	4. Generator Conoco, Inc.		
Verbal Approval Received: Yes No X	5. Originating Site Maljamar Plant		
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown		
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexcio		
7. Location of Material (Street Address or ULSTR) 1001 Conoco Rd., Maljama	ar New Mexico		
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the		
All transporters must certify the wastes delivered are only those consigned for transporters	ort.		
BRIEF DESCRIPTION OF MATERIAL:			
02-011	original		
Conoco has implemented a process to remove R.O. water from amine w therefore the volume of Amine waste will be minimal.	aste,		
Conco through CRI requests approval for Conoco to mix exempt amine with non-exempt sump water fro transportation to CRI.	waste		
Sump water was approved by C-138 (02-002) dated 2-6-01.			
Estimated Volume 400 bbls. cy Known Volume (to be entered by the oper	ator at the end of the haul)cy		
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkee	per DATE: 2-22-01		
TYPE OR PRINT NAME: Carmella Van Maanen TELEF	PHONE NO. (505) 393-1079		
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY Martyn John TITLE Envivolement	L. Godouis + DATE: Z-23-01		

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.: 55
Santable, NM 87505

Form C-138 Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE Midland Roustabout 4. Generator Service, Inc. 1. RCRA Exempt: Non-Exempt: X 5. Originating Site Kerr McGee Verbal Approval Received: \mathbf{X} Indian Basin 6. Transporter Unknown 2. Management Facility Destination Controlled Recovery, Inc. New Mexico 8. State 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) 1604 A East Green St, Carlsbad New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved -All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 02-013 Oilfield solid waste generated through oilfield operations. Enclosed is a certificate of waste status and letter (see attached) to extend this process for the year 2001. Estimated Volume 2-6 yds monthly cy Known Volume (to be entered by the operator at the end of the haul) aaren TITLE: Bookkeeper SIGNATURE Waste Management Facility Authorized Agent

TYPE OR PRINT NAME:	Carmella Van Maar	nen	TELEPHONE NO. <u>(50</u>	5) 393-1079
(This space for State Use)				
APPROVED BY	-	TITLE:		DATE:
APPROVED BY: Marty	~ g Wh:	_ TITLE: Zhoin	ormul Godgest	DATE <u>ラジー()</u>

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@ 001

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"
COMPANY/GENERATOR Middend Roustabout Service INC.
ADDRESS 1604 A East Greene St. Carlsbad, NM 88220
GENERATING SITE Kerr Mcgel Indian Basin
COUNTY Eddy STATE NM
TYPE OF WASTE Oil and gas locations
ESTIMATED VOLUME 2- 6 yard loads for Month for 2001
GENERATING PROCESS Wastes from oil field locations Such as
SACKS, hags, boards, rags, gloves, towels, wire, etc. for 2001
REMARKS This waste will not contain Hazardous materials.
NMOCD FACILITY CRI
TRUCKING COMPANY UNKNOWY
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of ATC CFR, Sections 2613.

DATE 2-27-01

02/27/01 12:14 \$5053933615

Midland Roustabout Service, Inc. 1604 A. East Greene Carlsbad, NM 88220 (505) 234-9043

February 27, 2001

To: NMOCD

RE: Wastes from oil and gas locations

Midland Roustabout Service, Inc. requests to dispose of oilfield related waste at CRI's facility located in Lea County, N.M. for the year 2001.

Midland Roustabout Service, Inc. collects waste generated from Kerr-McGee Indian Basin in roll off containers provided by Waste Management. These containers may contain empty sacks, empty boxes, empty buckets, empty cans, crates, boards, gloves, rags, towels, and other non-hazardous materials. These containers will not contain any hazardous materials or waste.

Any questions on this matter an be directed to either Don. Cooke or Debbie Smith at (505) 234-9043.

Sincerely, Methods mith

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr.

Form C-138 Revised March 17, 1999

Submit Original Plus 1 Čopy to Appropriate District Office

Santa Fe, NM 87505

Environmental Bureau Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE Westinghouse TRU Solutions, LLC 1. RCRA Exempt: Non-Exempt: X 5. Originating Site WIPP Site Verbal Approval Received: Yes [7 No \mathbf{X} 6. Transporter Unknown 2. Management Facility Destination Controlled Recovery, Inc. 8. State New Mexico 3. Address of Facility Operator P.O. Box 388, Hobbs WIPP Site, Carlsbad 7. Location of Material (Street Address or ULSTR) New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 03-001 Mineral oil mixed with salt generated through a spill. Enclosed is a certificate of waste status and MSDS sheets. Estimated Volume 20 & 30 gal. drum ev Known Volume (to be entered by the operator at the end of the haul) TITLE: Bookkeeper SIGNATURE DATE: <u>3-1-01</u> Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)	DENIED			
APPROVED BY:	UENIEU	TITLE:	D.	ATE:
APPROVED BY:		TITLE:	ת	ATF
		-		· · · · · · · · · · · · · · · · · · ·

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Westinghouse TRU Solutions, L.	LC
ADDRESS P.O. Box 2078, Carlsbad NM 88221	·
GENERATING SITE WIPP Site	
COUNTY Eddy STATE NM	
TYPE OF WASTE Mineral Oil mixed with salt	
ESTIMATED VOLUME 20 and 30 gallon drum	
GENERATING PROCESS Spill	
	 -
	,
REMARKS	_
NMOCD FACILITY Controlled Recovery, Inc.	_
TRUCKING COMPANY Unknown	<u></u>
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.	
AGENT Anghous To Tamen	234-8472
NAME Anthony Donner PRINTED	
ADDRESS P.O. Box 2078	
Carlsbad, NM 88221-2078	
DATE 3/1/01	

2/11

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M__. ERIAL SAFETY DATA SHE.

PREMIER CHEMICALS

MSDS ID: PSC B612

Phone: PREMIER CHEMICALS: 1-419-986-5126

Date Prepared: 9/00

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

This Revision:

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material/Product Name(s): MAGOX® 95 WG

CAS Number: 1309-48-4 Chemical family: Mineral Oxide

General Use: A chemical grade magnesium oxide powder. Manufacturer/Supplier:

PREMIER CHEMICALS RESEARCH CENTER

495 Emma St. PO Box 392

Bettsville, OH 44815 Phone: 419/986-5126

SECTION 2. INGREDIENTS/COMPOSITION					
Ingredient name: Hard Burnt Magnesite (Magnesium Oxide)	CAS N 1309-41	Rumber: 8-4	Percent: 100	IARC/NTP/OSHA: No	Exposure Limits: Nuisance Particulate OSHA PEL:TWA 15mg/m³; respirable: 5mg/m³. ACGIH TLV:TWA Total dust: 10mg/m³; respirable dust: 5mg/m³.
Quartz* (SiO ₂)	14808-6	60-7	0-1	Yes	ACGIH TLV:TWA respirable quartz 0.05mg/m ³ .
Typical Chemical Anal	ysis, Wt.	%.(Loss Fr	e Basis)		
LOI(1000□C)	0.29		···-		
SiO₂	2.8				
Fe ₂ O ₃	1.3				
Al_2O_3	0.8				
CaO	3.9				
MgO	91.0	Min. 90.0			

The oxides shown in the typical chemical analysis do not exist in the magnesium oxide as free, uncombined oxides, but are combined mineralogically as calcium-magnesium silicates, aluminates and ferrites.

^{*} Quartz, Product may contain a trace of quartz, a polymorph of crystalline silica, which is classified by IARC as a "Known Human Carcinogen - Group 1". NTP lists respirable crystalline silica amongst substances which may "reasonably be anticipated to be carcinogens".

	SECTION 3. HAZARDS II	DENTIFICATION
Ĥ	HEALTH HAZARD	1 - SLIGHT HAZARD
M	FLAMMABILITY HAZARD	0 - MINIMAL HAZARD
I	REACTIVITY HAZARD	I - MINIMAL HAZARD
S	PERSONAL PROTECTION	B - Eye Protection & Gloves

EMERGENCY OVERVIEW:

A dry mixture of grayish-brown, free-flowing, powder. Not a fire or spill hazard. Contact with water may cause product to swell, generate some heat, and burst its container. Low toxicity. Dust is classified as a "nuisance particulate not otherwise regulated".

Target organs: Chronic overexposure may cause lung damage.

Primary route(s) of entry: Inhalation

Acute effects: Particulate may cause eye and upper respiratory irritation.

ATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS ID: PSC B612

Date Prepared: 9/00

Phone: PREMIER CHEMICALS: 1-419-986-5126

This Revision:

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

HAZARD IDENTIFICATION continued from page 1

Chronic effects: Product dust is classified as a "nuisance particulate, not otherwise regulated" as specified by ACGIH and OSHA. The excessive, long-term inhalation of mineral dusts may contribute to the development of industrial bronchitis, reduced breathing capacity, and may lead to the increased susceptibility to lung disease.

Signs & symptoms of overexposure:

Eye contact: Particulate is a physical eye irritant.

Skin contact: Low toxicity by skin contact.

Inhalation: Chronic overexposure by inhalation of airborne particulate may irritate upper respiratory system as

well as the throat.

Ingestion: An unlikely route of exposure. If ingested in sufficient quantity, may cause gastrointestinal

disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SECTION 4. FIRST AID MEASURES

Eye contact: Flush eyes, including under the eyelids, with large amounts of water. If irritation persists, seek medical attention.

Skin contact: Wash affected areas with mild soap and water.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Ingestion: Ingestion is an unlikely route of exposure. If ingested in sufficient quantity and victim is conscious, give 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

NFPA code: Flammability: 0, Health: 0, Reactivity: 0, Special: 0.

Flash point: Not Combustible

Unusual Fire Hazard/ Extinguishing Media: Water reacts with magnesium oxide producing magnesium hydroxide and heat. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat, and burst its container. If such contact is unavoidable, use sufficient water to safely absorb the heat which may be generated. Wetted product is not a health or environmental hazard.

Hazardous Decomposition Products: None

Firefighting instructions: Firefighters should wear NIOSH-approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill procedures: Carefully, cleanup and place material into a suitable container, being careful to avoid creating excessive dust from dried product. If conditions warrant, cleanup personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

SECTION 7. HANDLING AND STORAGE

Storage: Store in dry, protected storage. Product is stable under normal conditions of dry storage. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat, and burst its container. Exposed, unprotected magnesium oxide will absorb moisture and carbon dioxide from the air. Minimize dust generation during material handling and transfer.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Provide sufficient ventilation, in both volume and air flow patterns, to control mist/dust concentrations below allowable exposure limits.

Personal protective equipment: The use of eye protection, gloves and long sleeve clothing is recommended.

Respiration protection: For dust concentrations above allowable nuisance particulates limit provide employee with NIOSH/MSHA approved particulate dust respirator in accordance with requirements of 29 CFR 1910,134.

ATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS ID: PSC B612 Date Prepared: 9/00

This Revision:

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Product is a brownish, free flowing powder; odorless.

Boiling Point: Not Applicable Melting Point; >3800°F (>2100°C) Apparent Specific Gravity (g/cc): 3.56 Apparent Density (lbs/cu,ft): 100

Water Solubility: Slight <1%

% Volatile by volume: 0

pH (10% aqueous slurry): 10.5

Evaporation rate: Not Applicable

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur

Chemical Incompatibilities: Magnesium oxide is soluble in aqueous acids generating heat and steam; violent reaction or ignition with interhalogens (e.g., bromine pentifluoride; chlorine trifluoride). Incandescent reaction with phosphorus pentachloride. Water will react with magnesium oxide producing magnesium hydroxide and heat.

Hazardous Decomposition Products: Heat and Steam

SECTION 11. TOXICOLOGICAL INFORMATION

Magnesium Oxide CAS#1309-48-4 Toxic and Hazard Review: low toxicity - a nutrient and/or dietary supplement food additive. THERAP CAT: antacid. (Sax) an experimental tumorigen, Inhalation of fume (not MgO dust particulate) produced upon decomposition of magnesium compounds can produce a febrile reaction and leukocytosis in humans.

TOXICITY DATA: ihl-hmn TCLo:400 mg/m³; itr-ham TDLo:480 mg/kg/30w-I;ETA.

Quartz CAS #14808-60-7. Toxic and Hazard Review (Sax): Experimental poison by intratracheal and intrayenous routes. An experimental carcinogen, tumorigen, and neoplastigen. Human systemic effects by inhalation; cough, dyspnea, liver effects. Listed by IARC as a "known human carcinogen" Group I. Listed by NTP.

> TOXICITY DATA: no LDs in RTECS. Ihl-hmn; TCLo 16 mppcf/8H/17.9Y-1:PUL; ihl;hmn LCLo:300µ g/m³/10Y-1;LVR; Other species toxicity data (NIOSH RTECS) inv-rat LDLo: 90 mg/kg; itr-rat LDLo: 20 mg/kg; ivn-mus LDLo: 40 mg/kg; ivn-mus 20 mg/kg.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological/Chemical Fate Information:

No data available on any adverse effects of this material on the environment.

SECTION 13. DISPOSAL INFORMATION

Waste Management/Disposal: This product does not exhibit any characteristics of a hazardous waste. The product is suitable for landfill disposal. Follow all applicable federal, state and local regulations for safe disposal.

SECTION 14. TRANSPORT INFORMATION

US Department of Transportation: Not regulated by DOT as a hazardous material. No hazard class, no label or placard required, no UN or NA number assigned.

Canadian TDG Hazard Class & PIN: Not regulated

SECTION 15. REGULATORY INFORMATION

SARA TITLE III: This product does not contain any substances reportable under Sections 302, 304 or 313. Sections 311 and 312 do apply. (Routine Reporting and Chemical Inventories)

TSCA: All substances in this product are listed in the Chemical Substance Inventory of the Toxic Substances Control Act.

5/11

ATRIAL SAFETY DATA SHEET

PREMIER CHEMICALS

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

MSDS ID: PSC B612 Date Prepared: 9/00

This Revision:

SECTION 16. OTHER INFORMATION

ACRONYMS AND REFERENCES USED IN PREPARATION OF MSDS':

ACGIH:

American Conference of Governmental Industrial Hygienists

CAS#:

CAS Registration Number is an assigned number to identify a material.

CAS stands for Chemical Abstracts Service.

CERCLA:

Comprehensive Environmental Response, Compensation & Liability Act

EPCRA:

Emergency Planning and Community Right-to-Know Act of 1986

HMISTM:

Hazardous Materials Identification System (National Paint & Coatings Association)

IARC:

International Agency for Research on Cancer Mine Safety and Health Administration

MSHA: mg/m³:

Milligrams per cubic meter

NIOSH:

National Institute for Occupational Safety and Health

NFPA:

National Fire Protection Association

NTP:

National Toxicology Program

OSHA:

Occupational Safety and Health Administration

PEL:

Permissible Exposure Limit (OSHA) Recommended Exposure Limit (NIOSH)

REL:

Superfund Amendments and Reauthorization Act

SARA:

TITLE III:

Emergency Planning and Community Right To Know Act

Section 302:

Extremely Hazardous Substances

Section 304: Emergency Release

Section 311: Community Right-to-Know, MSDSs or List of Chemicals

Section 312: Community Right-to-Know, Inventories and Locations, (Tier I/Tier II)

Section 313: Toxic Chemicals, Toxic Chemical Release Reporting, Form R.

TLV:

Threshold Limit Values (ACGIH)

TWA:

Time Weighted Average

29CFR1910.134: OSHA Respiratory Protection Standard

REFERENCES:

Sax, N. Irving: Dangerous Properties of Industrial Materials, Seventh Edition, Van Nostrand Reinhold Co., Inc., 1989.

Kirk, R. and Othmer, D., Encyclopedia of Chemical Technology, Third Edition, Wiley-Interscience, New York, NY 1982.

Clansky, K.B., Suspect Chemicals Sourcebook, 1992-2 Edition, Roytech Publications, Bethesda, Maryland. Sax, N.Irving and Lewis, R.J. Hawley's Condensed Chemical Dictionary, Eleventh Ed., Van Nostrand Reinhold Co.,Inc., NY

Manufacturers/Suppliers, Material Safety Data Sheets on Raw Materials Used

American National Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation, American National Standards Institute, Inc. 11 West 42nd St, New York, NY 10036.

Prepared/revised:

J.E. Rowell

September 13, 2000

Although reasonable care has been taken in the preparation of the information contained herein, PREMIER CHEMICALS extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

Emergency Number (800)457-2022 or (415)233-3737 3. 5 j 46 c 1.84 1.02



6/11

Material Safety Data Sheet

CHEVRONAMINETAL Seal 38

CPS2:176(

1 of 6 Page

SANDIA NATIONAL LABS ATT: JOE HENFLING - OFR 6232 P.O. BOX SEDO ALEUQUERQUE, NM 87185

Print Date: January 24, 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. Discard any previous edition of this MSDS.

Corrected Warnings, Inhalation First Aid and Health Effects, SARA.

1. PRODUCT IDENTIFICATION

CHEVRON Mineral Seal 38

DANGER! - HARMFUL OR FATAL IF SWALLOWED

- PROLONGED INHALATION OF VAPOR MAY BE HARMFUL
- KEEP OUT OF REACH OF CHILDREN

PRODUCT NUMBER(S): CPS241760

PRODUCT INFORMATION: (800)582-3835

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507 NDA - No Data Available NA - Not Applicable

7/11

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:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing. INHALATION:

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

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS

EYE CONTACT:

This substance is not expected to cause prolonged or significant eyeirritation.

SKIN IRRITATION:

This substance is not expected to cause prolonged or significant skin irritation.

DERMAL TOXICITY:

If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

RESPIRATORY/INHALATION:

Prolonged breathing of aerosol can cause respiratory irritation. This hazard evaluation is based on data from similar materials.

INGESTION:

If swallowed, this substance is considered practically non-toxic to internal organs. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

NDA - No Data Available NA - Not Applicable

CHEVRON Mineral Sec. 38

Page 3 of 6

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 high airborne concentrations, 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.

5. FIRE PROTECTION

FLASH POINT: (COC) 260F (121C) Min.

AUTOIGNITION: NDA FLAMMABILITY: NA EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, 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. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates,

peroxides, etc.

SPECIAL PRECAUTIONS:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

NDA - No Data Available NA - Not Applicable

CHEVRON Mineral Sea 38

Page 4 of 6

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.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Clear, prime-white liquid.

BOILING POINT: 508 - 610F (249C - 326C) Range

MELTING POINT: NA EVAPORATION: NA

SPECIFIC GRAVITY: 0.83 @ 15.6/15.6C

VAPOR PRESSURE: NA

PERCENT VOLATILE (VOLUME %): NA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 2.7 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 Act Chemical Substances Inventory.

Based upon information reviewed to date, this product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is Smg/m3, the OSHA PEL is Smg/m3.

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

NDA - No Data Available NA - Not Applicable

CHEVRON Mineral Seal 38

Page 5 of 6

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 LIKITS

100.0 %

CHEVRON Mineral Seal 38

CONTAINING

100.0 % DISTILLATES, HYDROTREATED LIGHT PARAFFINIC CAS64742558

TLV - Threshold Limit Value PEL - Permissible Exposure Limit STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity TLV - Threshold Limit Value

- Reportable Quantity CPS - CUSA Product Code

- 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; YES
- Delayed (Chronic) Health Effects; YES
- Fire Hazard; NO
- 4. Sudden Release of Pressure Hazard; NO
- Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

REGULATORY LISTS:

01=SARA 313 02=MASS RTK 03=NTP Carcinogen 04=CA Prop. 65 05=MI 406 06=IARC Group 1 07=IARC Group 2A 08=IARC Group 2B 09=SARA 302/304 10=PA RTK ll=NJ RTK 12=CERCLA 302_4 13=MN RTK 14=ACGIH TLV 15=ACGIH STEL 16=ACGIH Calculated TLV 17=OSHA PEL 18 = OSHA STEL 19#Chevron TLV 20=EPA Carcinogen 22=TSCA SECT 5 SNUR 23=TSCA SECT 6 RULE 21=TSCA SECT 4 24=TSCA SECT 12 EXPORT 25=TSCA SECT 8A CAIR 26=TSCA SECT 8D REPORT 27=TSCA SECT 8E 28=Canadian WHMIS

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

The Draize Eye Irritation Score (range, 0-110) in rabbits is 3.3.

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

NDA - No Data Available NA - Not Applicable

CHEVRON Mineral Seal 38

Page 6 of 6

SKIN IRRITATION:

The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 1.5.

DERMAL TOXICITY:

The dermal LD50 in rabbits is >2.0 g/kg.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data from similar materials. INGESTION:

The oral LD50 in rats is >5.0 g/kg.

ADDITIONAL TOXICOLOGY DATA:

The result of the Microbial/Microsome Reverse Mutation Assay (Ames Test) for this material was negative.

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 hydrocracking. None of the oils require a cancer varning 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.

11131

N District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

APPROVED BY:

APPROVED BY:

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division

RECEIVED

Form C-138 Revised March 17, 1999

DATE:

DATE:

MAR 0 8 2001

Submit Original Plus 1 Čopy to Appropriate District Office

1220 South St. Francis Dr. Santa Fe, NM 87505

Environmental Bureau Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE Westinghouse TRU 4. Generator Solutions, LLC 1. RCRA Exempt: Non-Exempt: 🔯 5. Originating Site WIPP Site Verbal Approval Received: Yes 6. Transporter Unknown 2. Management Facility Destination Controlled Recovery, Inc. New Mexico 8. State 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) WIPP Site, Carlsbad New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 03-002 Salt, hydraulic oil and magnesium oxide pellets generated through a spill. Enclosed is a certificate of waste status and MSDS sheets. Estimated Volume _ 55 gal. drum cy Known Volume (to be entered by the operator at the end of the haul) Jan Maanaw SIGNATURE TITLE: Bookkeeper ___ DATE: 3-1-01 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079 (This space for State Use)

TITLE:

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Westinghouse TRU Solutions, LLC	
ADDRESS P.O. Box 2078, Carlsbad, NM 88221	
GENERATING SITE WIPP Site	
COUNTY Eddy STATE NM	
TYPE OF WASTE Salt, hydraulic oil and magnesium oxide pellet	s
ESTIMATED VOLUME 55 gallon drum	
GENERATING PROCESS Spill	
REMARKS	
NMOCD FACILITY Controlled Recovery Inc.	
TRUCKING COMPANY Unknown	
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT AGE	
NAME Anthony Donner PRINTED	
ADDRESS P.O. Box 2078 Carlsbad, NM 88221 DATE 3/1/0/	

2

M__. ERIAL SAFETY DATA SHE

PREMIER CHEMICALS

MSDS ID: PSC B612

VV ZDJJ. I

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

Date Prepared: 9/00

This Revision:

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material/Product Name(s): MAGOX® 95 WG

CAS Number: 1309-48-4 Chemical family: Mineral Oxide

General Use: A chemical grade magnesium oxide powder. Manufacturer/Supplier:

PREMIER CHEMICALS RESEARCH CENTER

495 Emma St. PO Box 392

Bettsville, OH 44815 Phone: 419/986-5126

	SECTION 2	. INGREDIE	NTS/COMPOSITION	
Ingredient name: Hard Burnt Magnesite (Magnesium Oxide)	CAS Number: 1309-48-4	Percent: 100	IARC/NTP/OSHA: No	Exposure Limits: Nuisance Particulate OSHA PEL:TWA 15mg/m³; respirable: 5mg/m³. ACGIH TLV:TWA Total dust: 10mg/m³; respirable dust: 5mg/m³.
Quartz* (SiO ₂)	14808-60-7	0-1	Yes	ACGIH TLV:TWA respirable quantz 0.05mg/m ³ .
Typical Chemical Analy	ysis, Wt.%.(Loss F	ree Basis)		
LOI(1000□C)	0.29			
SiO ₂	2.8	•		
Fe ₂ O ₃	1.3			
Al_2O_3	0.8			
CaO	3.9			

The oxides shown in the typical chemical analysis do not exist in the magnesium oxide as free, uncombined oxides, but are combined mineralogically as calcium-magnesium silicates, aluminates and ferrites.

^{*} Quartz, Product may contain a trace of quartz, a polymorph of crystalline silica, which is classified by IARC as a "Known Human Carcinogen - Group 1". NTP lists respirable crystalline silica amongst substances which may "reasonably be anticipated to be carcinogens".

SECTION 3. HAZARDS IDENTIFICATION					
н	HEALTH HAZARD	1-SLIGHT HAZARD			
М	FLAMMABILITY HAZARD	0-MINIMAL HAZARD			
I	REACTIVITY HAZARD	I – MINIMAL HAZARD			
S	PERSONAL PROTECTION	B - Eye Protection & Gloves			

EMERGENCY OVERVIEW:

MgO

A dry mixture of grayish-brown, free-flowing, powder. Not a fire or spill hazard. Contact with water may cause product to swell, generate some heat, and burst its container. Low toxicity. Dust is classified as a "nuisance particulate not otherwise regulated".

Target organs: Chronic overexposure may cause lung damage.

91.0

Min. 90.0

Primary route(s) of entry: Inhalation

Acute effects: Particulate may cause eye and upper respiratory irritation.

3/11

ATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS ID: PSC B612 Date Prepared: 9/00

This Revision:

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

HAZARD IDENTIFICATION continued from page 1

Chronic effects: Product dust is classified as a "nuisance particulate, not otherwise regulated" as specified by ACGIH and OSHA. The excessive, long-term inhalation of mineral dusts may contribute to the development of industrial bronchitis, reduced breathing capacity, and may lead to the increased susceptibility to lung disease.

Signs & symptoms of overexposure:

Eye contact: Particulate is a physical eye irritant. Skin contact: Low toxicity by skin contact.

Inhalation: Chronic overexposure by inhalation of airborne particulate may irritate upper respiratory system as well as the throat.

Ingestion: An unlikely route of exposure. If ingested in sufficient quantity, may cause gastrointestinal disturbances. Symptoms may include irritation, nausea, vomiting and diarrhea.

SECTION 4. FIRST AID MEASURES

Eye contact: Flush eyes, including under the eyelids, with large amounts of water. If irritation persists, seek medical attention.

Skin contact: Wash affected areas with mild soap and water.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Ingestion: Ingestion is an unlikely route of exposure. If ingested in sufficient quantity and victim is conscious, give 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Leave decision to induce vomiting to qualified medical personnel, since particles may be aspirated into the lungs. Seek immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

NFPA code: Flammability: 0, Health: 0, Reactivity: 0, Special: 0.

Flash point: Not Combustible

Unusual Fire Hazard/ Extinguishing Media: Water reacts with magnesium oxide producing magnesium hydroxide and heat. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat, and burst its container. If such contact is unavoidable, use sufficient water to safely absorb the heat which may be generated. Wetted product is not a health or environmental hazard.

Hazardous Decomposition Products: None

Firefighting instructions: Firefighters should wear NIOSH-approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill procedures: Carefully, cleanup and place material into a suitable container, being careful to avoid creating excessive dust from dried product. If conditions warrant, cleanup personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

SECTION 7. HANDLING AND STORAGE

Storage: Store in dry, protected storage. Product is stable under normal conditions of dry storage. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat, and burst its container. Exposed, unprotected magnesium oxide will absorb moisture and carbon dioxide from the air. Minimize dust generation during material handling and transfer.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Provide sufficient ventilation, in both volume and air flow patterns, to control mist/dust concentrations below allowable exposure limits.

Personal protective equipment: The use of eye protection, gloves and long sleeve clothing is recommended.

Respiration protection: For dust concentrations above allowable nuisance particulates limit provide employee with NIOSH/MSHA approved particulate dust respirator in accordance with requirements of 29 CFR 1910,134.

4/11

ATERIAL SAFETY DATA SHEET

PREMIER CHEMICALS

MSDS ID: PSC B612 Date Prepared: 9/00

This Revision:

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Product is a brownish, free flowing powder, odorless.

Boiling Point: Not Applicable Melting Point; >3800°F (>2100°C)

Water Solubility: Slight <1%

pH (10% aqueous slurry): 10.5

Apparent Specific Gravity (g/cc): 3.56

Apparent Density (lbs/cu.ft): 100

% Volatile by volume: 0

Evaporation rate: Not Applicable

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur

Chemical Incompatibilities: Magnesium oxide is soluble in aqueous acids generating heat and steam; violent reaction or ignition with interhalogens (e.g., bromine pentifluoride; chlorine trifluoride). Incandescent reaction with phosphorus pentachloride. Water will react with magnesium oxide producing magnesium hydroxide and heat.

Hazardous Decomposition Products: Heat and Steam

SECTION 11. TOXICOLOGICAL INFORMATION

Magnesium Oxide CAS#1309-48-4 Toxic and Hazard Review: low toxicity - a nutrient and/or dietary supplement food additive. THERAP CAT: antacid. (Sax) an experimental tumorigen. Inhalation of fume (not MgO dust particulate) produced upon decomposition of magnesium compounds can produce a febrile reaction and leukocytosis in humans.

TOXICITY DATA: ihl-hmn TCLo:400 mg/m³; itr-ham TDLo:480 mg/kg/30w-I:ETA. Quartz CAS #14808-60-7. Toxic and Hazard Review (Sax): Experimental poison by intratracheal and intravenous routes. An experimental carcinogen, tumorigen, and neoplastigen. Human systemic effects by inhalation; cough, dyspnea, liver effects. Listed by IARC as a "known human carcinogen" Group 1. Listed by

NTP.

TOXICITY DATA: no LDs in RTECS, Ihl-hmn; TCLo 16 mppcf/8H/17.9Y-1:PUL; ihl:hmn LCLo:300µ g/m³/10Y-1;LVR; Other species toxicity data (NIOSH RTECS) inv-rat LDLo: 90 mg/kg; itr-rat LDLo: 20 mg/kg; ivn-mus LDLo: 40 mg/kg; ivn-mus 20 mg/kg.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological/Chemical Fate Information:

No data available on any adverse effects of this material on the environment.

SECTION 13, DISPOSAL INFORMATION

Waste Management/Disposal: This product does not exhibit any characteristics of a hazardous waste. The product is suitable for landfill disposal. Follow all applicable federal, state and local regulations for safe disposal.

SECTION 14. TRANSPORT INFORMATION

US Department of Transportation: Not regulated by DOT as a hazardous material. No hazard class, no label or placard required, no UN or NA number assigned.

Canadian TDG Hazard Class & PIN: Not regulated

SECTION 15. REGULATORY INFORMATION

SARA TITLE III: This product does not contain any substances reportable under Sections 302, 304 or 313. Sections 311 and 312 do apply. (Routine Reporting and Chemical Inventories)

TSCA: All substances in this product are listed in the Chemical Substance Inventory of the Toxic Substances Control Act.

Page 3 -

MSDS continues on page 4

- Page 3

5/11 ID:5052348854

ALUKIAL SAFETY DATA SHEET

PREMIER CHEMICALS

Phone: PREMIER CHEMICALS: 1-419-986-5126

CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300

MSDS ID: PSC B612 Date Prepared: 9/00

This Revision:

SECTION 16. OTHER INFORMATION

ACRONYMS AND REFERENCES USED IN PREPARATION OF MSDS':

ACGIH:

American Conference of Governmental Industrial Hygienists

CAS#:

CAS Registration Number is an assigned number to identify a material.

CAS stands for Chemical Abstracts Service.

CERCLA:

Comprehensive Environmental Response, Compensation & Liability Act

EPCRA:

Emergency Planning and Community Right-to-Know Act of 1986

HMISTM:

Hazardous Materials Identification System (National Paint & Coatings Association)

IARC:

International Agency for Research on Cancer

MSHA:

Mine Safety and Health Administration

mg/m³:

Milligrams per cubic meter

NIOSH:

National Institute for Occupational Safety and Health

NFPA:

National Fire Protection Association

NTP:

National Toxicology Program

OSHA:

Occupational Safety and Health Administration

PEL:

Permissible Exposure Limit (OSHA) Recommended Exposure Limit (NIOSH)

REL: SARA:

Superfund Amendments and Reauthorization Act

TITLE III:

Emergency Planning and Community Right To Know Act

Section 302:

Extremely Hazardous Substances

Section 304:

Emergency Release

Section 311:

Community Right-to-Know, MSDSs or List of Chemicals

Section 312: Community Right-to-Know, Inventories and Locations, (Tier I/Tier II)

Section 313: Toxic Chemicals, Toxic Chemical Release Reporting, Form R

TLV:

Threshold Limit Values (ACGIH)

TWA:

Time Weighted Average

29CFR1910.134: OSHA Respiratory Protection Standard

REFERENCES:

Sax, N. Irving: Dangerous Properties of Industrial Materials, Seventh Edition, Van Nostrand Reinhold Co., Inc.,

Kirk, R. and Othmer, D., Encyclopedia of Chemical Technology, Third Edition, Wiley-Interscience, New York, NY 1982.

Clansky, K.B., Suspect Chemicals Sourcebook, 1992-2 Edition, Roytech Publications, Bethesda, Maryland. Sax, N.Irving and Lewis, R.J. Hawley's Condensed Chemical Dictionary, Eleventh Ed., Van Nostrand Reinhold

Manufacturers/Suppliers, Material Safety Data Sheets on Raw Materials Used

American National Standard for Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation, American National Standards Institute, Inc.11 West 42nd St, New York, NY 10036.

Prepared/revised:

Co.,Inc., NY

J.E. Rowell

September 13, 2000

Although reasonable care has been taken in the preparation of the information contained herein, PREMIER CHEMICALS extends no warranties, makes no representation and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.

Emergency Number (800)457-2022 or (415)233-3737
3.55 462
2.65 = 36.
3.65 = 36.



Material Safety Data Sheet

GHEVRONSMinerals Seal 38

CPS2:17

Page 1 of 6

SANDIA NATIONAL LABS
ATT: JOE HENFLING - OFR 6232
P.O. BOX SBDD
ALEUQUERQUE, NM 87185

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. Discard any previous edition of this MSDS.

Corrected Warnings, Inhalation First Aid and Health Effects, SARA.

1. PRODUCT IDENTIFICATION

CHEVRON Mineral Seal 38

DANGER! - HARMFUL OR FATAL IF SWALLOWED

- PROLONGED INHALATION OF VAPOR MAY BE HARMFUL
- KEEP OUT OF REACH OF CHILDREN

PRODUCT NUMBER(S): CPS241760

PRODUCT INFORMATION: (800)582-3835

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507 NDA - No Data Available NA - Not Applicable

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:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing. INHALATION:

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

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS

EYE CONTACT:

This substance is not expected to cause prolonged or significant eyeirritation.

SKIN IRRITATION:

This substance is not expected to cause prolonged or significant skin irritation.

DERMAL TOXICITY:

If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

RESPIRATORY/INHALATION:

Prolonged breathing of aerosol can cause respiratory irritation. This hazard evaluation is based on data from similar materials.

INGESTION:

If swallowed, this substance is considered practically non-toxic to internal organs. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:

No special eye protection is usually necessary. SKIN PROTECTION:

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507 NDA - No Data Available NA - Not Applicable

PAGE 8/11

CHEVRON Mineral Sec. 38

Page 3 of 6

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 high airborne concentrations, 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.

5. FIRE PROTECTION

FLASH POINT: (COC) 260F (121C) Min.

AUTOIGNITION: NDA FLAMMABILITY: NA EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, 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. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

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

SPECIAL PRECAUTIONS:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

Page 4 of 6

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.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Clear, prime-white liquid.

BOILING POINT: 508 - 610F (249C - 326C) Range

MELTING POINT: NA EVAPORATION: NA

SPECIFIC GRAVITY: 0.83 @ 15.6/15.6C

VAPOR PRESSURE: NA

PERCENT VOLATILE (VOLUME %): NA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 2.7 cSt @ 40C (Min.)

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEHTREC 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 Act Chemical Substances Inventory.

Based upon information reviewed to date, this product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5mg/m3, the OSHA PEL is 5mg/m3.

Revision Number: 6 Revision Date: 02/14/90 MSDS Number: 003507

NDA - No Data Available NA - Not Applicable

CHEVRON Mineral Seal 38

Page 5 of 6

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 LIKITS

100.0 % CHEVRON Mineral Seal 38

CONTAINING

100.0% DISTILLATES, HYDROTREATED LIGHT PARAFFINIC CAS64742558

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

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; YES
- 2. Delayed (Chronic) Health Effects; YES
- Fire Hazard; NO
- 4. Sudden Release of Pressure Hazard; NO
- Reactivity Hazard: NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

REGULATORY LISTS:

02=MASS RTK 05=MI 406 01=SARA 313 03=NTP Carcinogen 04=CA Prop. 65 06=IARC Group 1 07=IARC Group 2A 08=IARC Group 2B 09=SARA 302/304 10=PA RTK ll=NJ RTK 12=CERCLA 302.4 13=MN RTK 14=ACGIH TLV 15=ACGIH STEL 16=ACGIH Calculated TLV 17=OSHA PEL 18=OSHA STEL 19 Chevron TLV 20=EPA Carcinogen 21=TSCA SECT 4 22=TSCA SECT 5 SNUR 23=TSCA SECT 6 RULE 24=TSCA SECT 12 EXPORT 25=TSCA SECT 8A CAIR 26=TSCA SECT 8D REPORT 27=TSCA SECT 8E 28=Canadian WHMIS

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

The Draize Eye Irritation Score (range, 0-110) in rabbits is 3.3.

Revision Number: 6

Revision Date: 02/14/90

MSDS Number: 003507

NDA - No Data Available

NA - Not Applicable

CHEVRON Mineral Seal 38

Page 6 of 6

SKIN IRRITATION:

The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 1.5.

DERMAL TOXICITY:

The dermal LD50 in rabbits is >2.0 g/kg.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data from similar materials.

INGESTION:

The oral LD50 in rats is >5.0 g/kg.

ADDITIONAL TOXICOLOGY DATA:

The result of the Microbial/Microsome Reverse Mutation Assay (Ames Test) for this material was negative.

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 hydrocracking. None of the oils require a cancer varning 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.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

(This space for State Use)

APPROVED BY: 🖊

APPROVED BY

State of New Mexico RECEIVED Energy Minerals and Natural Resources

MAR 0 8 2001 Oil Conservation Division 1220 South St. Francis Dr. Environmental Bureau

Oil Conservation Division

Form C-138 Revised March 17, 1999

DATE:

Submit Origina Plus 1 Copy to Appropriate District Office

1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	Oil Conservation Division District Office
REQUEST FOR APPRO	VAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: Non-Exempt: X		4. Generator Dowell Schlumberger
Verbal Approval Received: Yes No	\boxtimes	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Rec	covery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, F	lobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) At	tesia Facility, Artesia	New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wone certificate per job. B. All requests for approval to accept non-exempt wast material is not-hazardous and the Generator's certification approved. All transporters must certify the wastes delivered are of BRIEF DESCRIPTION OF MATERIAL: 03-003 Truck wash bay generated by washing of trucks. Enclosed is a certificate of waste status, analytic.	es must be accompanied by cation of origin. No waste only those consigned for transaction of original and oilfield equipments.	necessary chemical analysis to PROVE the classified hazardous by listing or testing will be asport.
Estimated Volumeappx. 300 bbls. cy Known Volumeappx. 300 bbls.	ume (to be entered by the o TITLE: <u>Bookke</u>	perator at the end of the haul)cy eper

TITLE:

02/27/01 14:42 **23**5053933615

CRI

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR: Dowell Schlumberger
ADDRESS p.O. Box 640, Hobbs, NM 88240
GENERATING SITE Artesia Facility
COUNTY Eddy STATE NM
TYPE OF WASTE Truck wash bay
ESTIMATED VOLUME appx, 300 bbls. for year 2001.
GENERATING PROCESS Generated by washing of trucks and
oilfield equipment.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY Unknown
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613,
AGENT Darin Thoryson SIGNATURE
NAME <u>Darwin Thompson</u> PRINTED
ADDRESS P.O. Box 640
Hobbs, NM 88240
DATE



PHONE (915) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 70003

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241

FAX TO: (505) 393-2132

Receiving Date: 10/25/00
Reporting Date: 10/30/00
Project Number: NOT GIVEN
Project Name: ARTESIA YARD
Project Location: NOT GIVEN
Sample ID: #1 W.B. SLUDGE

Lab Number: H5285-1

Hexachlorobenzene

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

80

0.050

0,050

Sample Received By: AH

Analyzed By: BC

0.040

0.043

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5285-1	Method Blank	QC	% Recov.	True Value QC	
Pyriding	5.00	<0.020	<0.005	0.008	16	0.050	7
1,4-Dichlorobenzene*	7.50	0.025	0,005	0,032	64	0.050] -
o-Cresol	200	<0.020	<0.005	0,028	56	0.050	
m, p-Cresol	200	<0.020	<0.005	0.026	52	0.050]
I-lexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050]
Nitrobenzene	2.00	<0.020	<0.005	0.040	80	0.050]
Hexachloro-1,3-buladiene	0.500	<0.020	<0.005	0.027	54	0.050]
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.041	82	0.050]
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.041	82	0.050	
2,1-Dinitrotoluene	0.130	<0.020	<0.005	0,045	90	0,050]

< 0.020

<0.005

<0.005

	% RECOVERY
Fluorophenol	48
Phenol d5	35
Nitrobenzeno-d5	83
2-f-luorobiphenyl	71
2,4,6-Tribromophenol	79
Terphenyl-d14	91

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.

Date

Burgess J. A. Cooke, Ph. D.



PHONE (815) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 78603

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN

Project Name: ARTESIA YARD Project Location: NOT GIVEN Sample ID: #1 W.B.SLUDGE

Lab Number: 145285-1

Analysis Date: 10/27/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA: LIMIT	Sample Result H5285-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0,20	<0.005	<0.005	0.086	86	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.099	99	0.100
Methyl Ethyl Kelone	200	<0.050	<0.050	0.092	92	0.100
Chloroform	8.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichlorocthane	0.5	<0.005	<0.005	0.096	96	0.100
Benzeno	0.5	<0.005	<0.005	0.095	95	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.096	96	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.100	100	D.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.106	106	0.100
Chlorobenzenc	100	<0.005	<0.005	0.106	106	0.100
1,4 Dichlorobenzene	7.5	<0.005	<0.005	0,101	101	0.100

% RECOVERY

Dibromofluoromethane	85
Toluene-dB	91
Eromofluorobenzene	92

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooky, Ph. D.

Date.



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

PHONE (505) 393-2326 . 101 E. MARI AND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640

HOBBS, NM 88241

FAX TO: (505) 393-2132

Sampling Date: 10/25/00

Sample Type: SLUDGE/SOLID Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: BC/AH

Receiving Date: 10/25/00
Reporting Date: 10/31/00
Project Number: NOT GIVEN
Project Name: ARTESIA YARD
Project Location: NOT GIVEN

REACTIVITY

LAB NO.	SAMPLE ID	Sulfide	Cyanide	CORROSIVITY	BURN RATE
		(ppm)	(ppm)	(pH)	(mm/sec)

	ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
\rightarrow	H5285-1 #1 W.B. SLUDGE	Not reactive	Not reactive	7.16	Nonflammable
	H5285-4 #4 FILTER	Not reactive	Not reactive	3.93	Nonflammable
				1	
	Quality Control	NR	NR	6.99	NR NR
ĺ	True Value QC	NR	NR	7.00	NR
İ	% Recovery	NR	NR	100	NR
[Relative Percent Difference	NR	NR	0.3	NR

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Chemist Jalobu

10/31/2000 Date



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

PHONE (505) 303-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00
Reporting Date: 11/01/00
Project Number: NOT GIVEN
Project Name: ARTESIA YARD
Project Location: NOT GIVEN

Sampling Date: 10/25/00 Sample Type: SEE BELOW

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/GP

TCLP METALS

	LAB NO.	SAMPLE ID	As	Ag	Ba	Cd	Cr	Pb	Hg	S¢
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	ANALYSIS		10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	11/01/00	10/30/00
	EPA LIMITS	5:	5	5	100	1	5	5	0.2	1
?	H5285-1*	#1 W.B.SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
	H5285-3**	#3 USED OIL	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
	H5285-4447	111 FILTER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
	H5285-5**	#5 PARTS SOLVENT	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
						,			. ,	
		a i is a some dissipation position of the plantage								
			·							
į			• · · · · · · · · · · · · · · · · · · ·							, m
	Quality Con	trol	0.047	4.822	22.55	1,015	1.098	5.289	0.00998	0.0480
ĺ	True Value (QC	0.050	5.000	25.00	1,000	1.000	5.000	0,01000	0.0500
	% Recovery		94.0	96.4	90.2	102	110	106	99.8	96.0
[Relative Sta	ridard Deviation	4.6	0.2	2.0	0.2	0.7	0.5	0.2	3.7
ı	MACTICALIA.	FDA 4044 00014 70 000	··· · ~~					γ		
1	INE LUCIOS.	EPA 1311, 600/4-78-020	206.2	272.1	208,1	213.1	218.1	239.1	245.1	270.2
		*Sludge	**Liquid (oil)		***Solid				

Gayle A Potter, Chomist

1/6//2000 Date

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Address: P.O. DOV	Company:		
City: (1)()()) State: (1)()	C17688 :412	2	
Phone #: Fax #:		12	
Project #: Project Owner:		ا و	
Project Name: ATTS: Q 1115Q	State:	7 P	
Project Location:	Phone #:		
Sampler Name:	Fax #:	ON H	
FOR LAB LISE ONLY	MATRIX PRESERV		
	rs Ter	ρ	
Lab I.D. Sample I.D.	(G)RAB OR (C F CONTAINER GROUNDWAT WASTEWATE SOIL CRUDE OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	
142 (12 (12) A P P - CXXC	(j.kj.)	100,100,100,00	
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Sampler Relinquished: Date:	Received By:	Phone Result: O Yes Fax Result: O Yes REMARKS:	□ No Add Phone #: □ No Add Fax#;
2000 2000 2000 2000 2000 2000 2000 200	Received By: (Lab Stam)		
Delivered By: (Circle Ons)	Ranga Condition CHECI	(Inclas)	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

n MAR 0 8 2001 r. Environmental Bures Form C-138 Revised March 17, 1999

DATE:

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505

Environmental Bureau Oil Conservation Division

RECEIVED

Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Dowell Schlumberger
Verbal Approval Received: Yes No X	5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) P.O. Box 640, Hobbs	New Mexico
9. <u>Circle One</u> :	
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved 	cessary chemical analysis to PROVE the sified hazardous by listing or testing will be
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-004	
Truck wash bay generated by washing of trucks and oilfield equipment.	
Enclosed is a certificate of waste status, analytical and chain of custody extend this process for approximately 300 bbls. for the year 2001	to
Estimated Volumeappx. 300 bbls. cy Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE <u>Carmella Jan Mannon</u> TITLE: <u>Bookkeepe</u> Waste Management Facility Authorized Agent	DATE: 3-1-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. <u>(505) 393-1079</u>
(This space for State Use)	

TITLE:

02/27/01

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR: Dowell Schlumberger
ADDRESS P.O. Box 640, Hobbs, NM 88240
GENERATING SITE Hobbs Facility
COUNTY Lea STATE NM
TYPE OF WASTE Truck wash bay
ESTIMATED VOLUME appx. 300 bbls. for year 2001.
GENERATING PROCESS Generated by washing of trucks
and oilfield equipment.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY Unknown
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT ————————————————————————————————————
NAME Darwin Thompson PRINTED
ADDRESS_PO_Box 640
Hobbs, NM 88240
DATE



PHONE (915) 673-7001 - 2111 BEECHWOOD - ABII ENE. 1X 79003

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

ANALYTICAL RESULT'S FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O. BOX 640 HOBBS, NM 88241 FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 11/01/00 Project Number: NOT GIVEN Project Name:: HOBBS YARD

Project Location: NOT GIVEN

Sampling Date: 10/25/00 Sample Type: SEE BELOW

Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: AH/GP

TCLP METALS

	LAB NO.	SAMPLE ID	۸s	Ag	Ba	Cd	Çr	Pb	Hig	Se
			ppm	þþm	ppm	ppm	ррm	ppm	ppm	ppm
	ANALYSIS	DATE:	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	10/27/00	11/01/00	10/30/00
	EPA LIMITS	5:	5	5	100	1	5	5	0.2	1
	H5283-1*	SPL#1 USED OIL	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
>,	H5283-2**	SPL #2 W.B. SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
•	H5283-4***	SPL.#4 FILTER (OIL)	<1	<1	<5	<0,1	<1	<1	<0,02	<0.1
	H5283-5	SPL.#5 PARTS SOLV,	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
					1.54.6					
		· 1,· his manifestation among any and ** * 4 *						,,		
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									···	
	Quality Con	trol	0.047	4.822	22.55	1.015	1.098	5.289	0.00998	0.0480
	True Value	ÖC	0.050	5.000	25.00	1.000	1,000	5.000	0,01000	0.0500
	% Recovery		94.0	96.4	90.2	102	110	106	99.8	96.0
	Relative Sta	ndard Deviation	4.6	0.2	2.0	0.2	0.7	0.5	0.2	3.7
	r.*.1_11									14
	METHODS:	FPA 1311, 600/4-78-020		272.1	208.1	213.1	218.1	239.1	245.1	270.2
		*Liquid (oil)	**Sludge		***Solid					

Sayle Al Stra

Gayle A. Potter, Chemis

///01/Z www

HS203M,XLS



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

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON

P.O, BOX 640 HOBBS, NM 88241 FAX TO: (505) 383-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: HOBBS YARD

Project Location: NOT GIVEN

Sample ID: SAMPLE #2 W.B. SLUDGE

Lab Number: H5283-2

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5283-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.086	86	0.100
1,1-Dichloroethylene	0.7	<0,005	<0,005	0,099	99	0,100
Methyl Ethyl Kelone	200	<0.050	<0.050	0.092	92	0,100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.096	96	0.100
Denzeno	0.5	<0.005	<0.005	0.095	95	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.096	96	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.100	100	0.100
Tetrachloroethylene	0.7	<0.005	<0,005	0.106	106	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.101	101	0.100

% RECOVERY

Dibromotluoromethane	85
Toluene-d8	93
Bromofluorobenzene	93

METHODS: EPA SW 846-8260, 1311

A SUNG LANGE Ph. D.

Date



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

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88740

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640 HOBBS, NM 88241

FAX TO: (505) 393-2132

Receiving Date: 10/25/00 Reporting Date: 10/30/00 Project Number: NOT GIVEN Project Name: HOBBS YARD

Project Location: NOT GIVEN

Sample ID: SAMPLE #2 W.B. SLUDGE

Lab Number: H5283-2

Analysis Date: 10/26/00 Sampling Date: 10/25/00 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5283-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5,00	<0.020	<0.005	0.008	16	0.050
1,4-Dichlorobenzene*	7.50	0.024	0.005	0.032	64	0.050
o-Cresol	200	<0.020	<0.005	0.028	56	0.050
m, p-Cresol	200	<0.020	<0.005	0.026	52	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050
Nitrobenzene	2,00	<0.020	<0.005	0.040	80	0.050
Hexachloro-1,3-butadiene	0,500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.041	82	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.041	82	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.045	90	0.050
Hexachlorobenzono	0,130	<0.020	<0.005	0.040	80	0.050
Pentachlorophenol	100	<0.020	<0.005	0.043	86	0.050

	% RECOVERY
Fluorophenol	49
Phenol-d5	35
Nitrobenzene-d5	91
2-Fluorobiphenyl	81
2,4,6-Tribromophenol	78
Terphenyl-d14	108

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.

Date

Burgess J. D. Cooke Ph. D.



PHONE (815) 673-7001 - 2111 BEECHWOOD - ABILENE, TX 70603

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

ANALYTICAL RESULTS FOR DOWELL SCHLUMBERGER ATTN: DARWIN THOMPSON P.O. BOX 640

HOBBS, NM 88241

FAX TO: (505) 393-2132

Sampling Date: 10/25/00

Sample Type: SLUDGE/SOLID Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: BC/AH

Receiving Date: 10/25/00 Reporting Date: 10/31/00 Project Number: NOT GIVEN

Project Name: HOBBS YARD Project Location: NOT GIVEN

REACTIVITY

LAB NO.	SAMPLE ID	Sulfide	Cyanide	Cyanide CORROSIVITY	
		(ppm)	(pp m)	(pH)	(mm/sec)

ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
H5283-2 SPL #2 W.B. SLUDG			7.40	Nonflammable
H5283-4 SPL.#4 FILTER (OIL)	Not reactive	Not reactive	5.89	<2.2
			, ,,	
				
				-
Quality Control	NR	NR	6.99	- NR
True Value QC	NR	NR	7,00	NR
% Recovery	NR	NR	100	NR
Relative Percent Difference	NR	NR	0.3	NR NR

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

† Cardinai cannot accept verbal changes. Flease fax written chariges to 505-393-2478.

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Company Name:	Dowell	schlumber	300	OLTHE			Ą	ANALYSIS RE	REQUEST		
Project Manager.	J. 1900	Charact C	3	P.O. #:							
CHY: HOYON		Status: () (M) Zlp:	V CAP18	Attn:							
Phone #: 3C1	1- 300 G	39.	133	Address:		. 7_		-			•
Project #:		Project Owner:	C	City:		<u>X</u>					
Project Name:	HODDS UF	ARD	6	State: Zip:		- [•
Project Location:	-		P	Phone #:		-					
Sampler Name:	GAULE PO)TTR	7	Fax #:		J					
FOR LAB USE ONLY			MATRIX	PRESERV SAMPLING	NG	<u> </u>					
		(C)OMP	ATER TER								
Lab l.D.	Sample I.D.	(G)RAB OR (GROUNDWASTEWAT SOIL CRUDE OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	TIME	TSS					
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	Amp. #3 W.	12 12 12 12 12 12 12 12 12 12 12 12 12 1	2			1					
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Sampler Railinguished:	ilshed:		Received By:		Fax Result:	t: □Yes	U No	Add'i Phone #: Add'i Fax #:			
Relinguished By:	1 horns	0:250 Rag	Raccioned By: (Lab Spett		NE BANG						
Delivered By:	Delivered By: (Circle Cne)	,	Samble Condition	n CHECKED BY:	لسمه						- A sala
Sampler-UPS -	- Bus - Other	,	27 XI	Villama (a)							

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

APPROVED BY:

APPROVED BY: Martin 9741

State of New Mexico **Energy Minerals and Natural Resources**

MAR 0 8 2001

RECEIVED

Revised March 17, 1999

DATE:

DATE: 3-8-0

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Environmental Bureau Oil Conservation Division Submit Origina Plus 1 Copy to Appropriate District Office

Form C-138

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Conoco, Inc.
Verbal Approval Received: Yes No X	5. Originating Site Warren #1
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Hobbs Rental Corp.
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 10 Desta Drive West	Midland, TX
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by net material is not-hazardous and the Generator's certification of origin. No waste class approved.	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-005	
Oilfield solid waste generated through oilfield operations.	
Enclosed is a certificate of waste status and letter (see attached) to extend this process for the year 2001.	
Estimated Volumeappx. 100 yds. monthly Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeepe	DATE: 3-1-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. <u>(505) 393-1079</u>
(This space for State Use)	

TITLE: Environ much! Godas+

rEB-27-U1 TUE 10:12

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P. 03 *A*icas

CEMULFICATE OF VASTE STANGES WATER OF WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

\$

COMPANY/GENERATOR: COMO CO	~ 09NE
ADDRESS 10 Desta Drives Wast Midland, 1x	י בייל דין
GENERATING SITE WALLON #-1	i
COUNTY LOQ STATE WIN	
TYPE OF WASTE DOO- begandous big Truests	
ESTIMATED VOLUME 100 yards + 1- monthly	;
GINERATING PROCESS generated through offield	,
OPERATING PROCESS generaled through orlfield Operations for your 2001.	i
REMARKS	
A STATE OF THE PARTY OF THE PAR	
TRUCKING COMPANY Hobbs Bental Corp.	
THE PROPERTY IN THE COURT	

As a condition of a-capture for disposal, I hereby certify that this waste is a non-except waste as defined by the Environmental Profession Agency's (FLES) hely 1945 Regulatory Describingtion. To my knowledge, this while will be analyzed payment to the provisions of 40 CFR Earl 761 to verify the natified as more fargadom. I further copyly that to my knowledge "hasardans or listed world" gurrosoft to the provisions of 40 CFR, pur 761, Subject to C and D, has not been added or mixed with the wishs to as to make the mentions mixture of "hazardans weste" pursuant to the provisions of 40 CFR.

NAME CAMBLE RUDGES

ADDRESS PO DO 905

HOUS NM 80046

DATE 2/26/61

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February 15, 2001

Statement from Hobbs Rental Corporation:

We operate 2-3 (number) of trash trailers that are leased to drilling contractors for the purpose of collecting trash generated at drilling locations.

These trailers will contain <u>mud sacks non hazardous</u>

Locas hald trash non hazardous

(List various types of trash and material, i.e. mud, sacks, buckets, thread protectors, etc.)

These trailers have previously been dumped at municipal landfills.

Sincerely,

Carmo Kuls

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

(This space for State Use)

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-138 Revised March 17, 1995 Submit Original

DATE:

Submit Origina Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator ESP, Inc.
Verbal Approval Received: Yes No 🔀	5. Originating Site Midland, TX
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Petroplex Pipe & C
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 17 Levin Road, ESP yard	Midland, TX
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B) All requests for approval to accept non-exempt wastes must be accompanied by new material is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-006	
Filter sand from wash out submergable pumps.	
Enclosed is a certificate of waste status, copy of previous C-138, copy of previous analytial and process of knowledge letter. The process has not	
Estimated Volume 24 yards cy Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeepe	DATE: <u>3-2-01</u>
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. <u>(505) 393-1079</u>

TITLE:

03/07/01 16:45

25053933615

CRI

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR ESP. Inc.
ADDRESS 17 Levin Rd., Midland, TX 79703
GENERATING SITE Same as above
COUNTY Midland STATE TX
TYPE OF WASTE Washout sand
ESTIMATED VOLUME 24 yards
GENERATING PROCESS washing of pumps, process has
not changed.
NMOCD FACILITY Controlled Recovery, Inc.
RUCKING COMPANY Petroplex Pipe & Construction
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT TOY SUCON
NAME Roy Green PRINTED
ADDRESS 17 Levin Road
Midland, TX 79703
DATE 3-9-01

03/07/01

16:44

55053933615

CRI

M 002

ESP, Inc. 17 Levin Rd. Midland, TX 79703 (915) 697-4540

March 1, 2001

New Mexico Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

ESP, Inc. requests that the attached analytical data, full packet last submitted on 2-27-00, be approved for usage through February 2002. The process that generates this waste stream has not changed. Thank you for your cooperation.

Sincerely

District I - (505) 393-6161
1 O. Box 1080
1 lobbs, NM 88241-1980
District II - (505) 748-1283
11 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

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

SEP 0 5 2000

Submit Ori Plus 1 (to approp District C

Form C-

Originated &

Environmental Bureau Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator ESP, Inc.
Verbal Approval Received: Yes 🔲 No 🗵	5. Originating Site Midland, TX
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Petroplex Pipe & Co.
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 17 Levin Road, ESP Yard	Midland, TX
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accordene accept; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
08-009	
Filter sand from wash out submergable pumps.	
This material has been approved before (2-18-00). I am enclosing Certificate of Waste Status and copy of previous C-138. Full pack Submitted on 02-07-00.	
Estimated Volume 24 Yards cy Known Volume (to be entered by the ope	rator at the end of the haul) ————————————————————————————————————
SIGNATURE: (hmelle, m. Magnew TITLE: Bookkeepe Waste Management Facility Althorized Agent	DATE: 08-22-00
	EPHONE NO. <u>(505)</u> 393-1079
(This space for State Use)	0
APPROVED BY: Dama (Illiams TITLE: Inviorm. &	ngimon Specialist DATE: 825-00

02



E Mail: lab@trocoanalysis.com

6701 Abordoon Avenue, Suite 9 4775 Rigiley Avenue, Suite A Lucbock, Texas 79424 800+378+1296 F1 Pard, Texas 79877 198+580+50401 906+794+1206 915+585+344U FAX: 906+794+1298 IAX: 915+585+4944

Analytical and Quality Control Report

Gary Miller

Highlander Environmental Services

1910 N. Big Spring St. Midland, TX 79705 Report Date:

2/3/00

Project Number:

1415

Project Name: Project Location: Drum Soil & Blast Sand

N/A

Order ID Number: A00011907

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc. for analysis:

Sample Number	Sample Description	Matrix	l')ale Taken	L'ime Taken	Date Received
138938	Spill Soil Comp #1	Soil	1/18/00	10:00	1/19/00
138939	Filter Sand Drum Sample #1	Soil	1/18/00	10:30	1/19/00
138940	Blast Sand Sample #1	Soil	1/18/00	11:00	1/19/00

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Lesswich, Director

02/04/2000 14:50 Sent By: TRACEANALYSIS;

4 Feb'00 9:24AM; Job 749; Page 2 7941298;

Report Date: 2/3/00

1415

Order 1D Number: A00011907

Drum Soil & Blast Sand

Page Number: 2 of 15

N/A

Analytical Results Report

	_			Analytical	Date	Dak		Prep	QC	
PHYMIN	R	esult	Dilutiva	Method	Irepared	Analyzed	Analys	Bosch #	Bulch #	RUI
Corrusivity										
Currusivity	Non-Com	DHIVC	L	8 1110	1/20/00	1/20/00	JM	PB90375	QCD050	4
pli		7.70	•	\$ 1110	1/20/00	1/20/00	JM	PB00375	QC3XISO	1
Ignitability										
Ignitability	non-lgni	toble	ı	W-846 Ch. 7	1/20/00	1/20/00	JM	PROVERS	QC0050	7
•		14011	•	-1-0-10 0/11. 1	1,2000	17201017	7144	, , , , , , , ,	QC.0033	J
Reactivity										
Hydrogen Cyanide		<2.5	1	\$ 7.3	1/20/00	1/20/40)	IM	PB00374	QC:00502	!
Hydrogen Solfide		~10	•	\$ 7,3	1/20/00	1/20/00	JM	PB00374		!
Rescuvity	Non-res	ctive	l	8 7.3	1/20/00	1/20/00	IM	PB00374	QC00503	!
TCLP De (me/L)										
TCLP Mercury	40	.010	1	S 7470A	1/19/00	1/20/00	BP	PRIVITT	QC0(M90	0,01
·	•	.0,0	•	3 14.0/(1111100	1720.00	D.	1 00000	Serietal ac	, 0,01
CLP Metals (mg/L)										
TCLP Arsenic	1	0.16	1	3 6010B	1/19/00	1/25/00	RR	1130053-1	QC00684	0.1
TCLP Burium		0.56	1	8 6010R	1/19/00	1/25/00	RR	PR00534	QC00684	0,1
FCLP Cudmium	•	0.07	i	2 6010B	1/19/00	1/25/00	R.R	PB00534	QC00684	0.02
TCLP Chromium		V.09	1	8 601011	1/19/()0	1/25/00	ŔŔ	PB00534	QC00684	0.05
PCLP Lesd		0.14	1	s cotar	1/19/00	1/25/00	RR	PH00534	QC00684	0,1
TCLP Selentum		0 10	l l	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	01
TCLP Silver	4.	20,0	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Semivolatiles (r	ng/L)									
Pyridine	40	20.0	1	E 8270C	1/28/00	1/31/00	MA	PR00551	QC00702	0,25
1,4-Dichlorobenzene	<i>خ</i> ر	.05	1	E \$270C	1/2 k/00	1/31/00	MA	PB00551	QC00702	0.23
n-Cresol	40	0.05	1	E #270C	1/28/(XI	1/31/00	MA	PB00551	QC00702	0.25
m.p-Crossil	<4	1.05	7	K #27(K)	1/28/(X)	1/11/00	MA	PB00551		0.25
Hexachinmethane	٠.()	.05	1	E 8270C	1/28/00	1/31/00	MΛ	PB00551		0.25
Nitrobenzene	٠.0	.05	I	E 8270C	1/28/00	1/31/00	MA	PBC0551	•	0.25
Hexachlorobutadiene		.05	1	E \$270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2.4,6-Trichtoropheno	·< 0	.05	I	E \$270C	1/28/00	1/31/00	MA	1300551	•	0.25
2.4,5-Trichlorophenol	د (ع	.05	í	E \$270C	1/28/00	1/31/X/	MA		QC00702	0.25
2,4-Dinitrotologne	να)	.05	1	E 8270C	1.28/00	1/31/00	MA	PR00551	QC00702	0.25
2,4-1)	٠٠0	.05	1	E 8370(:	1/28/(X)	1/11/0G	MA		QC00702	0.25
Hexachinrobenzene	વા	.(15	i	1: K270C	1/28/00	1/31/00	MA		QC00702	0.25
2,4,5-TP	40	05	1	E 8270C	1/28/00	1/31/00	MA		QC00702	11,25
Pentachlorophenni	ح().	.05	1	E 8270C	1/28/00	1/31/00	MA		UCX007(12	9.25
				Spike	•	e/ */			•	***
iurogato (met)	Res	ul: [Dilution	Amunni	% Rec.	% Kre. Limit	Amelya	l'rep Natch #	QC Batch #	
2-Fluorophenal	32.		1	50	41	16 - 65	MA		Batch # QC00703	
Phenol d5	20.	67	1	50	26	8 - 48	MA		QCXXX70Z	
Nitrobenzene-d5	56,	45	1	50	71	2K - 118	MA		QC00702	
2-Fluorobiphenyl	61.	68	1	50	77	40 - 106	MA		CXXXXX	
2,4,6-Tribromophenol	7à.		1	50	44	48 - 117	MA		QC00702	
Terphenyl-d14	69.1		t	50	87	48 - 132	MA	PB00551	-	
CLP Volatiles (mg/L)					•		·**** 1	. 200331	YAMATA	
Vinyl Chloride										

Sent By: TRACEANALYBIS;

7941298;

4 Feb:0" .9:25AM; Job 749; Fage 3/15

Report Date: 2/	3/00			lumber: A0				Page	Number	3 of 15
1415		Di	rum Soil	& Blast San	d					N/A
1,1-Dichlarosther	oć	<0,0\$	50	S 8260B	1/26/00	1/27/00	10	PB0053	S QC00685	0.001
Methyl ethyl ketu	OE .	.<0 5	50	S #260B	1/26/00	1/27/00	10	PIM053	-	0.01
Chloroform		41.11×	50	S 8260B	1/26/00	1/27/00	JCi	1110050:	QC00685	0.001
1,2-Dichlorocthw	e (EIX)	< 0.05	50	\$ 8260B	1/26/00	1.27/KI	K	PB0053	QC00685	0,001
Denzene		<0.05	50	3 8260B	1/26/(X)	1/27/00	JG	PB00533	S QCOOKIS	0.001
Carbon Terrachlo	ride	<0.05	50	S #26(H)	1/26/00	1.727/00	10	PB0053:	CHUKHARS	100.6
Trichloroethene (ICE)	~0.03	50	S #260B	1/26/00	1/27/00	JG	PB00533	QC:00685	0.001
Tetradidoruethene	(PCE)	40.CS	50	S 8260R	1/26/00	1/27/00	JG	PB00535	QC00685	100.0
Chlurobenzene		<3),(15	50	S 8260B	1/26/00	1/27/00	\$Ġ	PB00535	QC00685	0.001
1,4-Dichlarabenza	enc	40.05	50	S 8260B	1-26/00	1/27/00	Æ	PH00535	QC00685	100.0
Surrogate (mg/L)		Requir	Dilution	Spike Amount	%	% Rec. Umit	Acabie	Prep	QC	
Dibromoffuorome	hana	46	1	50	Цсс. 92		Analyst		Butch #	
	ILI WILE		-			BC 120	ICI	PB00535	•	
Toluene-d8		48	1	50	96	80 - 120	JĢ	PB00535	•	
4-Bromofluorober		47.5	1	50	95	80 - 120	1C	11300535	QC00685	
TPH DRO (mg/Kg)										
DRÓ • DRÓ - Hydroca	rbons ≻C28 present	• 33100	t	Mod. KUISII	1/21/00	1/21/00	MF	PB00362	QC00475	50
TPH GRO (mg/Kg) GRO										
		27.3		8015B	1/19/00	1/19/00	RÇ:	PB00341	QC00450	0.1
Sample Number:	138939	······································					,			
Description:	Filter Sand Drum	Sample #1			_	_				
l'aram	Filter Sand Drum	•	Dilution	Apalytical Method	Date Prepured	Date Analyzed	Analyse	Prop Hatch #	QC Batch #	RDL
l'aram Corrosivity	I'llter Sand Drum	Kenult		Method	Prepured	Anulyzed	Anulyse			RDI,
Param Corresivity Corresivity	Filter Sand Drum	Result Non-Corrosive	Dilution 1				Anniger JM		Batch #	RDL.
l'aram Corrosivity	Filter Sand Drum	Kenult		Method	Prepured	Anulyzed		Hatch #	Batch #	RDI.
Param Corresivity Corresivity pH Ignitability	Filter Sand Drum	Result Non-Corrosive	1	Method 8 1110	Prepured 1/20/00	Anulyzed 1/20/00	JM	Hatch #	Batch # QC00504	RDI,
Param Corrosivity Corrosivity pH	Filter Sand Drum	Result Non-Corrosive	1	Method 8 1110	Prepured 1/20/00	Anulyzed 1/20/00	JM	PH00375 PH00375	Batch # QC00504	RDL
Param Corresivity Corresivity pH Ignitability Ignitability	Filter Sand Drum	Non-Corrosive 6,70	1	Method 9 1110 S 1110	1/20/00 1/20/00	Analyzed 1/20/00 1/20/00	JM JM	PH00375 PH00375	9000504 QC00504 QC00504	RDI,
Param Corresivity Corresivity pH Ignitability Ignitability	Filter Sand Drum	Non-Corrosive 6,70	1	Method 9 1110 S 1110	1/20/00 1/20/00 1/20/00	Analyzed 1/20/00 1/20/00 1/20/00	JM JM	PB00376	9000504 QC00504 QC00507	RDI,
Param Corresivity Corresivity pH Ignitability Ignitability Reactivity	Filter Sand Drum	Non-Corrosive 6,70 non-ignitable	1 1	Method 8 1110 8 1110 W-846 Ch. 7	1/20/00 1/20/00 1/20/00 1/20/00	1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM	PB00374	Ratch # QC00504 QC00504 QC00507	RDL,
Param Corresivity Corresivity pH Ignitability Ignitability Reactivity I lydrogen Cyenide	Filter Sand Drum	Non-Corrosive 6.70 non-ignitable <2.5	1 1	Method \$1110 \$1110 W-846 Ch. 7	1/20/00 1/20/00 1/20/00	Analyzed 1/20/00 1/20/00 1/20/00	JM JM	PB00376	9000504 QC00504 QC00507	RDL
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Sutfide Reactivity	Filter Sand Drum	Non-Corrosive 6.70 non-ignitable <2.5 <10	1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM	PB00374 PB00374	900504 QC00504 QC00507 QC00502 QC00502 QC00502	RDI,
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Sutfide Reactivity	Filter Sand Drum	Non-Corrosive 6.70 non-ignitable <2.5 <10	1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM	PB00374 PB00374 PB00374	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00502 QC00502	
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury	Filter Sand Drum	Non-Corrosive 6,70 non-ignisable <2.5 <10 Non-rescrive	1 1 1 1 1 1	Method 8 1110 8 1110 W-846 Ch. 7 8 7.1 8 7.3 8 7.3	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM JM JM	PB00374 PB00374	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00502 QC00502	RTIL.
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Metals (mg/L)	Filter Sand Drum	Non-Corrosive 6.70 non-ignitable 2.5 4.10 Non-reactive 40.010	1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7470A	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM JM JM	PB00374 PB00374 PB00374 PB00374 PB00374	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00502 QC00490	0.01
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyanide Hydrogen Sutide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Metals (mg/L) TCLP Arsenic	Filter Sand Drum	Non-Corrosive 6.70 non-ignitable 2.5 4.10 Non-rescrive 40.010	1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7470A \$6016B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM JM JM	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00502 QC00490	0.01
Param Corrosivity Corrosivity pH Ignitability Reactivity Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Metals (mg/L) TCLP Arsenic TCLP Hartum	Filter Sand Drum	Non-Corrosive 6,70 non-ignitable 22.5 410 Non-reactive 40.010 0,21 0.37	1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7470A \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00	JM JM JM JM JM JM JM	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374	Patch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00690 QC00684 QC00684	0.01
Param Corresivity Corresivity pH Ignitability Ignitability Reactivity Hydrogen Cyande Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Metuls (mg/L) TCLP Metuls (mg/L) TCLP Herrury ICLP Hyrurn ICLP Cadmium	Filter Sand Drum	Non-Corrosive 6,70 non-ignitable 22.5 410 Non-reactive 40.010 0,21 0.37 0.07	1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM RP RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374	Patch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00502 QC00684 QC00684 QC00684 QCX0684	0.01 (i.1 (i.1 (i.1
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury TCLP Metuls (mg/L) TCLP Arsenic TCLP Harium ICLP Cadmium TCLP Cadmium	Filter Sand Drum	Result	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.1 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM BP RR RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534	### Parch ### QC00504 QC00507 QC00502 QC00502 QC00502 QC00684 QC00684 QCX0684 QCX0684 QCX0684 QCX0684	0.01 (i.1 (i.1 (i.1 (i.02
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyanide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Cadmium ICLP Cadmium ICLP Cadmium ICLP Cadmium ICLP Cadmium ICLP Lead	Filter Sand Drum	Result	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM BP RR RR RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534	Parch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00690 QC00684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684	0.01 (i,1 (i,1 (i,02 0.05 (i,1)
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury TCLP Metuls (mg/L) TCLP Arsenic TCLP Harium ICLP Cadmium TCLP Cadmium	Filter Sand Drum	Result Non-Corrosive 6,70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM BP RR RR RR RR RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534	### Parch ### QC00504 QC00507 QC00502 QC00502 QC00684 QC00684 QCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0.01 (r.1 (r.1 0.02 0.05 (r.1 0,t
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyenide Hydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Arsenic TCLP Harium ICLP Cadmium TCLP Cadmium TCLP Lead TCLP Selenium		Result	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM BP RR RR RR RR RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534	### Parch ### QC00504 QC00507 QC00502 QC00502 QC00684 QC00684 QCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0.01 (i,1 (i,1 (i,02 0.05 (i,1)
Param Corresivity pH Ignitability Ignitability Ignitability Reactivity Ilydrogen Cyanute Ilydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Arsenic TCLP Harum ICLI Cadmium ICLI Cadmium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Cadmium ICLI Chromium	mg/L}	Result Non-Corrosive 6,70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 W-846 Ch. 7 \$7.1 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM JM RP RR RR RR RR RR RR RR RR RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534 PB00534	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00684 QC00684 QC00684 QC00684 QC00684	0.01 (i,1 (i,1 (i,1 (i,n2 (0.05 (i,1 (0,t) (0.05
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyande Hydrogen Suttide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Arsenic TCLP Barrum ICLP Cadmium TCLP Cadmium TCLP Lead TCLP Selenium TCLP Silver ICLP Semivolatiles (mg/L}	Result Non-Corrosive 6,70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B \$6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00	JM JM JM JM JM JM JM JM JM RP RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534 PB00534	Batch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00490 QC00684 QC00684 QC00684 QC00684 QC00684	0.01 (i,1 (i,1 (i,1) (i,02) (0.05) (i,1) (0.05) (i,1)
Param Corresivity pH Ignitability Ignitability Ignitability Reactivity Ilydrogen Cyanute Ilydrogen Sutfide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Arsenic TCLP Harum ICLI Cadmium ICLI Cadmium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Chromium ICLI Cadmium ICLI Chromium	mg/L}	Result	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$ 1110 \$ 1110 \$ 1110 W-846 Ch. 7 \$ 7.3 \$ 7.3 \$ 7.3 \$ 7470A \$ 6010B \$ 6010B \$ 6010B \$ 6010B \$ 6010B \$ 6010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/35/00 1/35/00 1/35/00 1/35/00	JM JM JM JM JM JM JM JM BP RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534 PB00534 PB00534 PB00534	Ratch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00490 QC00684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684 QCX0684	0.01 (i.1 (i.1 0.02 0.05 (i.1 0.05 (i.1 0.05
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyanute Hydrogen Suttide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Cadmium ICLP Cadmium ICLP Cadmium ICLP Selenium ICLP Selenium ICLP Silver ICLP Semivolatiles (Pyridine 1,4-Dichlorobenzene 1,4-Dichlorobenzene	mg/L}	Result Non-Corrosive 6,70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$1110 \$1110 \$1110 W-846 Ch. 7 \$7.3 \$7.3 \$7.3 \$7470A \$6010B \$6010B \$6010B \$6010B \$6010B \$6010B \$1010B \$1010B \$1010B	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/28/00 1/28/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/31/00 1/31/00 1/31/00	JM JM JM JM JM JM JM JM BP RR	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534 PB00534 PB00534 PB00531 PB00531	Batch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00490 QC00684 QCXXX684	0.01 (r.1 (r.1 0.05 (r.1 0.05 (r.1 0.25 (r.25 (r.25)
Param Corrosivity Corrosivity pH Ignitability Ignitability Reactivity Hydrogen Cyanute Hydrogen Suttide Reactivity TCLP Hg (mg/L) TCLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Mercury ICLP Selenium ICLI Cadmium ICLI Chromium ICLI Chrom	mg/L}	Result Non-Corrosive 6,70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method \$ 1110 \$ 1110 \$ 1110 W-846 Ch. 7 \$ 7.3 \$ 7.3 \$ 7.3 \$ 7470A \$ 6010B \$ 1270C F H270C F H270C F H270C	1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00 1/19/00	Analyzed 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/20/00 1/25/00 1/25/00 1/25/00 1/25/00 1/25/00 1/35/00 1/35/00 1/35/00 1/35/00	JM JM JM JM JM JM JM JM JM MA MA MA MA MA MA MA	PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00374 PB00334 PB00534 PB00534 PB00534 PB00534 PB00534 PB00531 PB00531 PB00531	Batch # QC00504 QC00504 QC00507 QC00502 QC00502 QC00490 QC00684 QCXXX684	0.01 (i.1 (i.1 0.02 0.05 (i.1 0.05 (i.1 0.05

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Report Date: 2/.	3/06	C	order ID	Number: At	00011907			Page	Number:	4 of 1
1415		t	Orum Soi	il & Riast Sa	nd					N/
Hexachlorobutadi	cac	<0.0	05 1	E. \$27(X)	1/28/00	1/31/00	MA	PB0055	1 QC00702	Ç.
2.4.6-Trichloropb		<0.0		E 8270C				PB0055	• •	
2,4,5-Trichloroph		1.0%		E 8270C				PR0055		
2,4-Dinitrotoluco		<0.0		E 8270C				PB0055		
2,4-1)		~0.0		E 8270C				PBCQSS	•	
Hexachlorobenzei	æ	-20.0		E #270K				PB0055	-	
2,4,5-TP		< 0.0		E X270C				PHOOSS		
Pentuchloropheno	1	~10.0		E 8270C					1 OC00702	
Surrogule (mg/L)		12 A411	lt Dilutio	Spike	%	% Rec.	A 4111.71	Prep	QC Butch f	
2-Flyorophenol		36.5		Amount 50	Rou. 40	Limit 16 - 65	Armiya MA	k – 13aich # 1780055		
Phenol-d5		23.3		50					·=·	
					29 70	X - 4K	MA	PB0055	-	
Nitrobenzene-d5		62.3		50	76	28 - 118	MA	(4B0055		
2-Fluorobiphenyl		62.4		50	78	40 - 106		PR00551	•	
2.4,6-Tribromophe	tudi	77.30		50	97	48 - 117		PB0055		
Terphenyl-d14		74,4	3 1	5 0	93	48 - 132	MA	PERMISS	QC:00792	
TCLP Volatiles (mg	/L)									
Vinyl Chloride		<0.03		S #26UH	1/26/00	1/27/00	JĢ		QCUU685	(1.(4)
1,1-Dichloroethem		~0.03		% 8240 f	1/26/00	1/27/00	JO		QCIXI685	0,00
Methyl ethyl keton	ς.	<10.5		S #260B	1/26/00	1/27/00	Ю		QC00685	0.0
Chloroform		<0.0°		S \$2(0B	1/26/00	1/27/00	10		QC00685	0.00
1,2-Dichlorochane	: (EDC)	<0.03		S 8 2 6 0 B	1/26/00	1/27:00	10		QC00685	Q.CQ
Ranzene		<0.05		S \$260B	1/26/00	1/27/00	ж.		QC00685	0.00
Carbon Tetrachlori		<0.05		S 2260B	1/26/00	1.27/00	JG		QC00685	0.00
Trichloroethene (T		<0.05		S 8260B	1/26/00	3/27/00)G		QC00685	0.00
Tetrachioroethene	(PCE)	~0.0 \$		S #26013	1/26/00	1/27/06	1G		QC00683	U.(XI)
Chlorobenzene		<0.05		S #260B	1/26/00	1/27/00	10		QC00685	0.00
1,4-Dichlerobenzer	oc .	<0.05	1	S \$260B	1/26/00	1/27/00	10	PB00535	QC00685	0.001
Surrogate (mg/l.)		Result	Dilution	Spike	%	% Rev		Prcp	QC	
Dibramofluoromett	ian#	4 X		i ∧incont 50	Rev. 96	Limit	Analysi		Batch #	
Tolucpe-d8		485	•	30	97	80 - 120	1G	PB00535	-	
4-Bromothenzobenz	ene	49		50	9K	80 - 120 80 - 120	1G 1G	PR00535		
TPH DRO (mg/Kg)		**	•	3.0	79	¥0 - 150	טנ	PB00333	QC00685	
DRO		* 31000		M 00131	168.400					
* DRO - Hydroca	bons PC28 present		i	Mod. 8013B	1/21/00	1/21/A)O	MI.	PB00362	QC00475	50
TTH GRO (mg/Kg)	•									
GR()		<5	1	8015B	1/19/00	1/19/00	RC	PR00341	QC00450	0.1
•	138940 Blast Saud Samp	ic #]	***************************************					- 		
eram		Result	Dilution	Analytical Method	Date Prepured	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
orrosivity							-,			
Correcivity		Non-Corrosive	- 1	\$ 1110	1/20/00	1/20/00	ML	2B00375	OC00504	
pli		7.09	ŧ	9 1110	1/20/00	1/20/00	JM	PN00375		
ultability								*****	4,	
Igaltability		*****		11 A 4 11 111 -						
-B-11-MP-EETA		ពេលរ-ឝ្រីជក្រោស្ទទ	ŧ	H-846 Ch. 7	1/20/00	1/20/00	JM	PB00376	QC00507	
esclivity										
Reactivity		Non-reactive	1	571	1/20200	1/7nm^	13.4			
Reactivity Hydrogen Cyunide		Non-reactive	i 1	\$ 7.3 \$ 7.3	1/20/00 1/20/00	1/20/00 1/20/00	JM JM	PB00374		

DER ENY CORP PAGE 06 4 Feb 20 9:26AM; Job 749; Page 5/15

. Sent By: TRACEANALYBIS;

Report Date. 2/3/00	Ç	rder ID N	umber: A0	0011907			Page	Number:	5 of 15
1415	ī	Jeum Soil	& Blast San	d					N/A
Hydrogen Sulfide	۲)	0 1	\$73	1/20/00	1/20/00	JM	[*!KK)374	QC00502	
ICLI'llg (mg'L)	. •								
I'CLI' Mercury	-0.01	0 1	S 7470A	1/19/00	1/2(0/00)	BP	PB00373	QC00490	().()
TCLP Metals (mg/L)									
TCLP Arsenic	-:0.1		\$ 601013	1/19/00	1.25/00	r r	PB00534	•	0.
TCLP Barium	0.3		2 201013	1719/00	1725/00	RR	PB00534	•	0.
TCLP Cadmion	0.0	6 3	S 6010B	1/19/00	1/25/00	RR	PB(x)534	•	0.0
TCLP Chromium	0.1		S 6010B	1/19/00	1/25/00	KK	17300534	•	0.0
TCLP Lead	(), 1		S 6010B	1/19/00	1/25/00	RK	PR00534		Ú.
CCLP Selenium	<.0 1		\$ 6010B	1/19/00	1/25/00	RR	PB00534	•	U.
TCLP Silver	<0.0	5 t	2 60 10B	1/19/00	1/25/00	r.r	PB00534	QC00684	0.0
TCLP Semivolatiles (mg/L)									
Pyridine	<0.0		H R27IX:	1/28/00	1/31/00	MΛ	PB00551	•	0.2
1,4-Dichlorobenzene	<0.0		13 K270C	1/22/00	1/31/00	MA	PHOUSSI	•	0,2
u-Cresul .	₹75.()		E 8270C	1/2\$/00	1/31/00	MA	1410X1551	-	0.2
m _i p-Cresul	< 0.0		E 8270C	1/28/00	1/31/00	MA		QC00702	0.23
Hexachlorocthane	<0.0		E 8270C	1/28/00	1/31/00	MA		QC00702	0,2
Nitrohenzene	<0.0:		E \$270C	1/28/00	1/31/00	MA		QC00702	0.2
Hexachlorobutadiene	<0.0		E 8270C	1/28/00	1/31/00	MA		QC00702	9.2.5
2.4.6-Trichloropheno:	-:0.0:		E 8270C	1/28/00	1/31 KKI	MA		GC00405	0.21
2.4,5-Trichlerophenol	<0.0∶	5 i	E \$270C	1/28/00	1/31/00	MA		QC00702	0.2.
2,4-Daritrotoluene	<0.03	5 1	1: K270C	1/28/00	1/31/00	МЛ	PB00551	QC:00702	0.21
2,4-D	<'0.03	1	P. \$270C	1/28/00	1/31/00	MA	PB00551	-	0.25
Hexachlorobenzene	<0.03		17.8270C	1/28/00	1/31/00	MA	PB00351		0,25
2,4,5-11'	<x) 0.<="" td=""><td></td><td>E \$270C</td><td>1/28/00</td><td>1/31/00</td><td>MA</td><td>PB00551</td><td>•</td><td>0.25</td></x)>		E \$270C	1/28/00	1/31/00	MA	PB00551	•	0.25
l'entachiorophenoi	<.0 05	1	E 8270C	1/28/00	1/31/00	MA	P1100551	QC00702	0.25
Surrogate (mg/L)	Resul	Dilution	Spike Amount	% R ∞ ,	% Kec. Limit	Analyst	Prep Batch #	QC Butah d	
2-Fluorophenol	32,52		50	41	16 - 65	MA	PB00551	Butch # QC00702	
Phenol-d5	23.52		50	29	8 - 48	MA	PB00551	QC00702	
Nitrobenzene-d5	14,64		50	68	28 - 118	MA	P 1200351	•	
2-Fluorobiphenyl	61.74		50	77	40 - 106	MA	PB00551	QC00702	
2,4,6-Tribromophenol	72.07							•	
			5 0	90	48 - 117	MA	PB(X)551	QC:00702	
Terphenyl-d14	68.10	1	50	X 5	4X - 132	MA	PBC0551	QC00702	
CCLP Volatiles (mg/L) Vinyl Chloride	20 BB	•	S eacon	1:07/00	1.000			// - A - E -	
-	<0.05		S 8260B	1/26/00	1/27/00	Į (j		()C'00681	0.001
i,1-131chloroethene Methyl ethyl ketone	-0.05		S 8260B	1/26/00	1/27/00	JG 		QC00583	100.0
Chloroform	~0.5 <0.05		\$ \$260B	1/26/00	1/27/00	JG 10	FB00535	-	0.01
1.2-Dichlaroethane (EDC)		-	S 8260B	1/26/00	1/27/00	1G	PB00535	-	100,0
Benzene	•=0.05	1	S 8260B	1/26/00	1/27/00	IG	PB00515		100.0
•	<0.05		\$ 8260H3	1/26/00	1/27/00	1G	PB00535		0.001
Curbon Tetrachloride	<0.05	1	\$ 82609	1/26/00	1/27/00	1G	PB00535	•	0.001
Trichterecthene (1Ct)	<0.05	!	S 8260B	1/26/00	1/27/00	JG	14B(X)\$3.5	•	0 001
Tetrachloroethene (PCE) Chlorohenrone	40.0 ≸	į.	\$ 8260B	1/26/00	1/27/00	IG	PR00535	•	0.001
1 d-Dichlorobenzone	<0.05 <0,0\$	l i	5 6260B 5 8260B	1/26/00 1/26/00	1/27/00	JG JG	PB00535 PB00535	2	0.001
	•		Spike	%	% Rec.	- "	Prop	QC	4.4.4
urogate (mg/L)	Result	Ditution	Amount	Rec.	Limit	Analy#4	Planch #	Botch #	
Dibromofluoron:ethnie	46.5	1	\$0	73	80 - 120	j(;	14100535		
I oluene-u8	4K	1	50	96	80 - 120	JG	P800535		
4-Bramatiyarabenzene	47	1	50	94	80 - (20	JG	PB03535	-	

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PAGE 0/

4 Feb 00 3:27AM; Jon 749; Page 8/15

Order ID Number: A00011907 Report Date: 2/3/00 Page Number: 6 of 15 Drum Soil & Blast Sand 1415 N/A TPH DRO (mg/Kg) DRO *2010 1 Mod. \$013B 1/21/00 1/20/00 MF PB00350 QC00471 50 * DRO - Hydrocarbons >C28 present TPH GRO (mg/Kg) GRO 427 1 8015B 1/19/00 1/19/00 KC: PR00341 QC00450 0.1

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6823946 02/04/2000 14:50 Sent By: TRACEANALYSIS;

Report Date: 2/3/00

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Order ID Number: A00011907 Drum Soil & Blast Sand

Page Number: 7 of 15 N/A

Quality Control Report Method Blanks

		Ulank	Reporting	Date	Prep	QC:
Param	lilag	Kesult	Limit	Analyzed	Batch #	Batch #
TCLP Mercury (mg/l.)		<0.010	0.01	1/20/00	PB00373	QC00490

Param	Fing	Blank Result	Reporting Limit	Dute Amilyzod	Prep Batch #	QC Batch #
TCLP Arsenic (mg/L)		<0.10	0.1	1/25/00	PB00534	QC00684
TCLP Barium (mg/L)		<0.10	0.1	1/25/00	PB00534	(2000684
TCLP Cadinium (mg/L)		<:0.02	0.02	1/25/00	PB00534	QC00684
TCLP Chromium (mg.L)		<0.05	0.05	1/25/00	PB00534	QC00684
TCLP Lead (mg/L)		40.10	0.1	1/25/00	PB00534	QC00684
ICLP Selenium (mg/L)		<0.10	0.1	1/25/00	#B00534	OC00684
TCLP Silver (mg/L)		<0.05	0.05	1/25/00	PB00534	QC00684

Ригип	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Butch #
l'yridine (mg/L)		<0.05	0.25	1/31/00	PB00551	QC:00702
1,4-Dichlorobonzene (mg/L)		< 0.05	0.25	1.31/00	PB00551	QC00702
o-Cresol (ராழி.)		<0.05	0.25	1/31/00	PB00551	QC00702
m,p-Cresol (mg/L)		÷0.05	0.25	1/31/00	PB00551	QC00702
Hexachloroethane (mg/L)		<0.05	0.25	1/3 (/00	PB00551	OC00702
Nitrobenzene (mg/L)		< 0.05	0.25	1/31/00	PB00551	OC00702
Hexachtorobutadiene (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
2.4,6-Trichlorophenol (mg/L)		<0.05	0.25	1/31/00	PB00551	OC00702
2,4,5-Trichlorophenol (mg/L)		< 0.05	0.25	1/31/00	FB00551	OC00702
2.4-Dinitrotoluene (mg/L)		<0.05	0.25	1/31/00	PB00551	OC00702
?,4-D (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
lexachlorobenzene (mg/L)		< 0.05	0.25	1/31/00	PB00551	OC:00702
1.4,5-11P (mg/L)		-0.05	0.25	1/31/00	PB00551	QC00702
Pentachlorophenol (mg/L)		<0.05	0 25	1731/00	PB00551	QC00702

Paran	ilag	Blank Kesult	Reporting Limit	Dute Analyzed	l'rep Datch #	QC Batch #
Vinyl Chloride (mg/L)		96	0.001	1/27/00	PB00535	CXC00685
1.1-Dichloroethene (mc/L)		95	0.00 {	1/27/00	PB00535	OC:00685
Muthyl cthyl ketone (mg/(.)		108	0.01	1/27/00	PB00535	OC300685
Chloroform (mg/f.)		9\$	0.001	1/27/00	PB00535	QC00685
,2-Dichloroethane (EDC) (mg/L)		100	0.001	1/27/00	PB00535	OC00685
lenzene (mg/L)		97	0.001	1/27/00	PB00535	OC00685
arbon Tetrachloride (mg/L)		(0)	(00.0	1/27/00	PB00535	OC00685
richkroethene (TCE) (ing/L)		102	0.001	1/27/00	PB00535	QC00683
etrachloroethene (PCE) (mg/L)		101	0.001	1/27/00	PB00535	OC00685
hlorobenzene (mg/L)		96	0.001	1/27/00	PB00535	OC:00685
4-Dichlorobenzene (mg/L)		101	0.00;	1/27/00	PB00535	QC00685

HIGHLANDER ENY CORP PAGE 09
7941298; 4 Feb CP 9:28AM; Job 749; Page 8/15

Report Date: 2/3/00 1415		ler ID Numb im Soll & B	er: A00011907 Inst Sand	•	Page N	Number: 8 of 15 N/A		
Param	Flug	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #		
DRO (mg/Kg)	. , , , , , , , , ,	<50	50	1/20/00	PB00350	QC00471		
DRO (mg/Kg)		< 50	50	1/21/00	PB00362	QC00475		
		Dlank	Kepering	- Date	Picp	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Parum .	Flag	Result	Limit	Analyzed	Batch #	Haich #		
GRO (mg/Kg)	·····	ن ې	0.1	1/19/00	PB00341	QC00450		

7941298;

HIGHLANDER ENY CORP 4 Feb CO 9:29AM; Job 749; Page 9/15

Report Date: 2/3/00

Order ID Number: A00011907

Page Number: 9 of 15

1415 Drum Soil & Blast Sand

Quality Control Report Matrix Spike and Matrix Duplicate Spike

Standard MS MSD	I Param TCI P Mercany (mg/L) TCLP Mercany (mg/L)	Sample Result <0.010	Dil	0,005 0.005	0.0444	% Kec. \$38 \$88	RPD 6	% Rec Limit 80 - 120	Ukni 0 0 - 20	Batch # OC00490
Standard	Param	Sumple Result		Spike Amoun Added	Matrix I Spike Result	%	RPD	% Rec. Limit	KPD Limit	QC Batch #
MS	TCLP Arsenic (mg/L)	0.16	1	10	10.5	103	, ,.	75 - 125	0 - 20	QC00684
M\$	TCLP Burium (mg/L)	0.56	1	10	10.9	101		75 - 125		=
M5	TCLP Cadmium (mg/L)	0.07	1	10	10.1	100		75 - 125		
MS	TCLP Chromium (mg/L)	0.09	1	10	9.9	98		75 - 125		•
MS	TCLP Load (mg/L)	0.14	1	10	10.3	102		75 - 125		QC00684
MS	TCLP Scienium (mg/L)	<0.10	1	10	10.3	102		75 - 125		QC'00684
M\$	TCLP Silver (mg/L)	<0.05	1	2	1.98	99		75 - 125		QC00684
MSD	TCI.P Amenic (mg/L)	0.16	1	10	10.7	105	2	75 - 125	9 - 20	QC00684
MSD	TCLP Batium (mg/L)	0.56	1	10	11.0	104	1	75 - 125		QC00684
MSD	TCLP Codmium (mg/L)	0,07	1	10	10.3	102	2	75 - 125	0 - 20	QC00684
MSD	TCLP Chromium (mg/L)	0.09	1	10	10.2	101	3	75 - 125	0 - 20	QC00684
MSD	TCLP Lead (mg/L)	0.14	t	10	10.5	104	2	75 - 125	0 - 20	QC00684
MSD	TCLP Selenium (mg/L)	<:0.10	1	16	10.7	106	4	75 - 125	0 - 20	QC00684
MSD	TGLP Silver (mg/L)	<0.05	1	2	2.06	103	4	75 - 125	0 - 20	QC00684
-				Spike	Matrix					
Sminquid	Param	Sample Result	Dil,	Amount Added	Spike Result	% Rec.	RI'T)	% Rec.	KPD Limit	QC Batch #
MS	Vinyl Chloride (mg/l.)	<20.05	1	100	98	9.8		80 - I20	0 - 20	QC00685
MS	1.1-Dichloroethene (mg/L)	<0.05	l	100	130	130		80 - 120	0 - 20	QC00685
MS	Methyl ethyl ketone (ing/L)	< 0.5	1	100	143	143		RO - 120	0 - 20	QC00685
MS	Chloroform (mg/L)	<-0.05	1	100	911	110		80 - 120	0 - 20	QC00685
MS	1,2-Dichloroethans (EDC) (mg/L)	∹0.05	ì	100	114	114		80 - 120	0 - 20	QC00685
MS	Benzene (nig/L)	<0.05	1	100	120	120		80 - 120	0 - 20	QC006ES
MS	Carbon Tutrachloride (mg/L)	<0.05	1	100	120	120		80 - 120	0 - 20	OC00685
MS	Frichloroethene (TCE) (mg/L)	< 0.05	1	100	108	108		80 - 120	0 - 20	QC00685
MS	Tetrachkroethene (PCE) (mg/L)	<0.05	I	100	110	110		KO - 120	0 - 20	QC00685
MS	Chlorohenzene (mg/L)	<0.05	1	100	98	98	;	80 - 120		QC00685
MS	1.4-Dichlorobenzene (mg/L)	< 0.05	1	100	106	106	1	30 - 120		QC00685
Standard	Surrogate	Result	Dif.	Spike	Analyst	%		% Rec.	Prep	QC
M\$	Dibromofluoromethmie (mg/Kg)	47	1	Amount 50	JG	Rec. 94		Limit 80 - 120	Hatch #	Batch #
MS	Totuenc-dl (mg/Kg)	49	1	50	JG	98		80 - 120 80 - 120	PH00535 PB00535	QC00685
MS	4-Bromofluorobenzene (mg/Kg)	50	1	50	1G	100			PB00535	

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Report D	грия. Date: 2/3/00 15			: A0001	1907			Pag	Page Number:	
MSD	Vinyl Chloride (mg/L)	<0.05	1	100	96	96	2	80 - 120	0 - 20	N/A QC00685
MSD	1.1-Dichloroethene (mg/l.)	<:0.05	1	100	134	134	3	80 - 120	0.20	QC00685
MSD	Methyl ethyl ketone (mg/L)	<0.5	1	001	117	117	20	80 - 120	0 - 20	QC00685
MSD	Chloroform (mg/L)	< 0.05	1	100	113	113	3	80 - 120	0 - 20	QC00685
MSD	1,2-Dichloroethane (EDC) (mg/L)	<0.05	1	100	111	111	3	80 - 120	0 - 20	QC00685
MSD	Benzene (mg/L)	< 0.05	ŧ	100	119	:19	Ţ	80 - 120	0 - 20	QC00685
MSD	Carbon Tetrachloride (mg/1.)	<0.05	ŧ	100	122	122	2	RO - 120	0 - 20	QC00685
MSD	Trichloroethene (TCE) (mg/L)	<0.05	i	100	111	111	3	80 - 120	0 - 20	QC00685
MSD	l'etrachloroethene (PCE) (mg/L)	<0.05	ı	100	113	113	3	80 - 120	0 - 20	QC:00685
MSD	Chlorobenzene (my/L)	<0.05	1	100	101	101	3	80 - 120	0 - 20	QC00685
MSD	1,4-Dichlorahenzene (mg/L)	~ 0,05	1	100	108	108	2	80 - 120	0 - 20	OC00685
Stondard	Surrogate	Result	Dil.	Spike Amount	Analyst	% Rec		% Rec. Limit	Prep Buich #	QC Barch #
MŠD	Dibromofiummethene (mg/Kg)	47	!	50	10	94		80 - 120	1/1300535	•
msd Msd	Tolnene-48 (mg/Kg) 4-Bromatiuarabonzene (mg/Kg)	48.5 49	ı	50 50	1CI	97 98		80 - 120 80 - 120	PB00535	

Quality Control Report Duplicates

Standard	Parani	Fing	Liuplicate Result	Sample Result	Dilution	Ki4)	KPD Gimn	QC Batch #
Duplicate	Corrosivity		Non- Corrosive	Non- Corrosive	1	Ü	0 - 20	QC00504
Duplicate	pH (s.u.)		7.73	7 70	1	0	0 - 20	QC00504
Standard	Param	Flag	Duplicate Result	Sample Result	Dilution	KFD.	RPD Limit	QC Batch #
Duplicate	Ignitability	akenkus usasa sasa turangga s	Non-iguitable	oon-ignicable	١	C	0 - 20	QC00507
Standard	Param	Flag	Duplicate Result	Sample Result	Dilution	КББ	RPD Limit	QC Batch #
Duplicate	Reactivity		Non-Rescrive	Non-reactive	1	V	0 - 20	QC00502
Duplicate	Hydrogen Sulfide		~i0	<10	1	0	0 - 20	QC00202
Duplicate	Hydrogen Cyanide		Q. 5	<2.5	1	0	0 - 20	QC00502

1415

HIGHLANDER ENY CORP

PAGE 12 4 Feb '0/ 9:30AM; Job 749; Fage 11:15

7941298;

Report Date: 2/3/00

Order ID Number: A00011907

Drum Soil & Blust Sand

Page Number: 11 of 15

N/A

Quality Control Report Lab Control Spikes and Duplicate Spike

	Param	Blank Rosult	Dil.	Spike Amount Added	Matrix Spike Kosult	% Rec.	RPD	% Rec.	KYD Limit	QC Batch #
LCS	TCLP Mercury (mg/L)	<0.010	1	0.005	0.0423	846		80 - 120	0 - 20	
LCSD	TCI.P Mercury (mg/L)	~0.010	1	0.005	0.0437	874	3	80 - 120	0 - 20	QC00490
	Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec,	שא	% Rec. Llmit	RPD Limit	OC: Bulch #
1.08	TCLP Arsenic (mg/l.)	<0.10	1	10	10.4	104		75 - 125	0 - 20	QC00684
LC.2	TCLP Barlun (mg/L)	<0.10	ł	10	106	106		75 - 125	0 - 30	QC00684
LCS	TCLP Cadmium (mg/L)	<0.02	1	10	10.4	104		75 - 125	U - 20	QC00684
LCS	TCLP Chromium (mg/l.)	<0.05	t	10	10.3	103		75 - 125	0 - 20	QC00684
LCS	ICLY Lead (mg/L)	<0.10	1	10	10.8	108		75 - 125	0 - 20	QC'00684
LCS	TCLP Selenium (mg/L)	<0.10	ı	10	10.7	107		75 - 125	0 - 20	QC00684
LCS	TCI.P Silver (mg/I.)	< 0.05	1	2	2.0	100		75 - 125	0 - 20	OC00684
LCSD	TCLP Arsenic (mg/L)	÷0.10	ı	10	10.5	105	;	75 - 125	0 - 20	QC00684
LCSD	TCLP Barium (mg/L)	< 0.10	1	10	10.3	103	3	75 - 125	0 - 20	QC00684
LCSD	TCLP Cadmium (mg/L)	<:0.02	1	to	10.4	104	0	75 - 125	0 - 20	QC00684
LUSD	TCLP Chromium (mg/L)	<0.05	1	10	10.3	103	9	75 - 125	0 - 20	QXXX0684
	TCLP Lead (nig/L)	< 0.10	1	10	10.5	105	3	75 - 125	0-20	QC00684
LCSD	TCLP Selenium (mg/L)	4D_10	1	10	10.5	105	2	75 - 125	0 - 20	QC00684
t.CSD	TCLP Silver (mg/L)	-=0.0S	1	2	2.0	100	Q	75 - 125	0 - 20	QC00684
- white	Рагип	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Réc.	KPD	% Rec.	RPD Limit	QC; Batch ≠
LCS	Pyndine (mg/L)	~0.0 S	1	80	35.48	44	 ,	0 - 103	0 - 20	(2000702
LCS	1,4-Dichlorobenzene (mg/L)	<0.05	1	80	51.17	64		13 - 84	0 - 70	QC00702
LCS	o-Cress! (mg/L)	<0.05	i	80	52,50	66		34 - 93	0 - 20	QC00702
LCS	m,p-Cresol (mg/L)	<0.05	i	160	94.42	59		0 - 128	0 - 20	QC00702
	Hexacilloroethane (mg/L)	<0.05	i	80	47.27	59		28 - 87	Q - 20	QC00702
LCS		7.72	•					20-01	4 - 20	•
	Nitrohenzene (mg/L)	< 0.05	1	R()	77 17	OΩ		4h . 08	A 20	こくいりつつつ
LCS	Nitrohenzene (mg/L) Hexachlorobutadiene (mg/L)	<0.05 <0.05	1	80 KO	72.13	90 64		40 - 98	0 - 20	QC00702
LCS LCS	Hexachlorobutadiene (mg/L)	< < 0.05	1 1	RO	51.64	65		30 - 91	0 - 20	QC00702
LCS LCS	Hexachlorobutadiene (mg/L) 2,4,6-Trichlorophenol (mg/l.)	<0.05 <0.05	1	80 80	51.64 72.00	65 90		30 - 91 43 - 109	0 - 20 0 - 20	QC00702 QC00702
LCS LCS LCS LCS	Hexachlorobutadiene (mg/L)	<0.05 <0.05 <0.05	1	80 80	51.64 72.00 70.75	88 80 62		30 - 91 43 - 109 47 - 106	0 - 20 0 - 20 0 - 20	QC00702 QC00702 QC00702
LCS LCS LCS LCS LCS	Hexachlorobutadiene (mg/L) 2,4,6-Trichlorophenot (mg/L) 2,4,5-Trichlorophenot (mg/L) 2,4-Dinitrotoluene (mg/L)	<0.05 <0.05 <0.05 <0.05	1 1 1	80 80 80 80	51.64 72.00 70.75 77.18	65 90 88 96		30 - 91 43 - 109 47 - 106 52 - 101	0 - 20 0 - 20 0 - 20 0 - 20	QC00702 QC00702 QC00702 QC00702
LCS LCS LCS LCS LCS LCS	Hexachlorobutadiene (mg/L) 2,4,6-Trichlorophenot (mg/L) 2,4,5-Trichlorophenot (mg/L) 2,4-Dinitrotoluene (mg/L) 2,4-D (mg/L)	<0.05 <0.05 <0.05 <0.05 <0.05	1 1 1 1 1 1	80 80 80 80	51.64 72.00 70.75 77.18 55.84	65 90 88 96 70		30 - 91 43 - 109 47 - 106 52 - 101 0 - 139	0 - 20 0 - 20 0 - 20 0 - 20 0 - 20	QC00702 QC00702 QC00702 QC00702 QC00702
LCS LCS LCS LCS LCS LCS LCS	Hexachlorobutadiene (mg/L) 2,4,6-Trichlorophenot (mg/L) 2,4,5-Trichlorophenot (mg/L) 2,4-Dinitrotoluene (mg/L)	<0.05 <0.05 <0.05 <0.05	1 1 1	80 80 80 80	51.64 72.00 70.75 77.18	65 90 88 96		30 - 91 43 - 109 47 - 106 52 - 101	0 - 20 0 - 20 0 - 20 0 - 20 0 - 20 0 - 20	QC00702 QC00702 QC00702 QC00702

HIGHLANDER ENY CORP 4 Feb '00' 1:31AM; Job 749; Page 12/15

02/04/2000 14:50 6823946 Sent By: TRACEANALYSIS;

7941298;

	7 Date: 2/3/00	Otact III	NUMP	7: A0001	1907			Pag	e Numbe	s: 12 of 15
1415		Drum Soi	i & Bl	est Sand						NiA
		<u></u>		Spike		%		% R≪.		QC
Standa			Dil.					Limk		Batch #
LCS	2-Fluorophenol (mg/kg)	•	1	#0	39.20 23.48	49 29		16 - 65 8 - 48		QC0070 QC0070
LCS	Phenol-d5 (nig/Kg)		,	8 D	62.07	78		78 - 118		QC0070
LCS	Nitrobanzanc-d5 (mg/Kg)	•	,	K()	66.18	83		40 - 106		OC:0070
LCS	2-Fluorobiphenyl (mg/kg)		1	80	65.38	82		48 - 117		QC'0070
LCS	2.4.6-Tribrumophenol (mg/Kg) Terphenyl-d14 (mg/Kg)		i	\$ U	77.66	97		48 - 132		QCOUTO
··				Spike	Matrix					
	Dagam	Blank Banale	f v:1	Amount Addud	Spike	9,6 U A A	RPD	% Reç. Limit	RPD Limit	OC: Batc <u>h</u> ≠
	Peram	Result	(Jil.	Added	Result		עלא			
LCS	Vinyl Chloride (mg/l.)	96	1	100	97	97		80 - 120	0 - 20	QC:00685
rc2	1,1-Dichloroethene (mg/L)	95	1	100	134	134		80 - 120	0 - 20	•
LCS	Methyl ethyl ketone (mg/L)	108	ı	100	114	114		80 - 120	0 - 20	QCOOKES
LCS	Chloroform (mg/l/)	78	1	100	115	115		80 - 120	0 - 20	GC00983
LCS	1,2-Dichloroethane (EDC) (mg/L)	100	1	100	115	117		AO - 120	0 - 20	QC00683
LCS	Benzene (mg/L)	97	1	100	811	[18		80 - 120	0 - 20	QC00685
LCS	Curbon Tetrachloride (mg/l.)	103	1	100	122	122		80 - 120	0 - 20	QC00685
LCS	Trichloroethene (ICE) (mg/L)	102	1	100	111	111		80 - 120	U - 20	QC00685
LCS	Tetrachioroediene (PCE) (mg/L)	101	1	100	111	111		80 - 120	0 - 20	QC00685
LCS	Chlorobenzene (mg/L)	96	1	100	100	100		80 - 120	0 - 20	QC00685
LCS	1.4-Dichlorobenzens (mg/L)	101	1	100	109	109		80 - 120	0 - 20	QC00685
Vennelne	Nubra anta		Dil,	Spike	Result	4		% Rec.		QC
Standar LCS	"d Sutrogate Dibromoflyoromothene (mg/Kg)		1	Juoual 50	48.5	Kee 97	•	1.imit 120 - 120		Bawh # QC00685
LCS	Toluene-d8 (mg/Kg)		i	50	49	98		80 - 120		OCTORNA GCOOODS
LCS	4-Uramatluorobenzene (mg/kg)		1	50	49.5	59		80 - 120		QC00685
	Vinyl Chloride (mg/l.)	96	1	100	98	98	ı	80 - 120	0 - 20	QC00685
LCSD	1,1-Dichloroethene (ing/L)	95	1	100	135	135	1	80 - 120	0 - 20	QC00685
LCSD	Methyl ethyl kerone (mg/L)	108	(100	122	122	3	80 - 120	0 - 20	QC00685
LCSD	1,2-Dichlorochune (EDC) (mg/L)	100	l	100	121	121	3	80 - 120	0 - 20	QC00685
LCSD	flenzene (mg/L)	97	!	100	111	111	ń	80 - 120	0 - 20	QC00685
LCSD	Carbon Tetrachloride (mg/L)	103	į	100	121	121	1	80 - 120	0 - 20	QC00685
LCSD	Trichleroethene (TCE) (mg/l.)	103	i	100	109	109	2	80 - 120	0-20	•
	Tetrachloroethene (PCE) (mg/L)	10;	1	100	110	110	1	80 - 120	0 - 20	QC00685
LCSD		96	1	100	101	101	1	80 - 120	0 - 20	QC:00685
LCSD	1,4-Dichlorohenzena (myl)	101	ı	160	108	108	1	80 - 120	0 - 20	QC00685
Standar	4 Surrogate		Da.	Spike	ىلىنىن 🖸	%		4% Rec.		QC
(:SD	Dimmofluoromethane (mg/Kg)		Uu.	Allount \$0	Result 30	Kec IM		1.imit 80 - 120		QC00683
LCSD	Toluene-d8 (mg/Kg)		i	50	49	98		80 - 120		QC00685
LCSD	4-Uromofluorobenzene (mg/Kg)		l	50	49.5	99		80 - 120		QC00685
*****		Blank		Spike Amount	Mærix Spike	%		% Rec.	RPD	⇔ c
	Param	Result	Dil,	Added	Reauli	Kec.	RPD	Limit	Limit	Batch H
CS	DRO (mg/Kg)	≺ 50	· <u>1</u>	250	276	110		70 - 130	0 · 20	QC00471

7941298;

HIGHLANDER ENY CURP PAGE 14 4 Feb Co 9:31AM; Job 749; Page 13/15

			_(·						····	
-	Date:	2/3/00			r: A00011	907			l'age	Number	: 13 of 15
LCSD	DKO	(mg/Kg)	Drum So	1	520 181 2800	251	100	9	70 - 130	0 - 20	N/A QC00471
 -	Param		Filmk Result	DII.	Spike Amount Added	Matrix Spike Kesult	% Kec.	RPD	% Rec.	RPD Limit	QC Batch #
LCS	DRO	(mg/Kg)	<50	1	250	192	77		70 - 130	0 - 20	QC90475
LCSD	DRO	(mkKk)	<50	1	250	189	76	2	70 - 130	ų - 20	QC00475
	Param		Blank Result	Dil	Spike Amount Added	Morrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Ratch #
LCS	GRO	(mg/Kg)	<\$	1	1	0,997	100		80 - 120	() - 20	QC00450
LCSD	CRO	(mg/Kg)	<:5	1	1	78 ي .ن	98	2	80 - 120	û - 20	QC 90450

MIGHLANDER ENY CURP

7941298;

4 Feb': 9:32AM; Job 749; Page 14/15

Report Date: 2/3/00 1415

Order ID Number: A00011907

Drum Soil & Blast Sand

Page Number: 14 of 15

Quality Control Report Continuing Calibration Verification Standard

V to u do ud	Unanan	Flue	CCVs TRUU	CCVs Found	CCVs Percent	Percent Recovery	Dale Analyzed	QC Batch
Standard CCV 1	Yaram TCLP Mercury (mg/L)	Flag	0,005	Conc. 0.00516	Recovery	Limits 80 - 120	1/20/00	QC00490
Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch
ICV	TCLP Arsenic (nig-L)			1.03	103	75 - 125	1/25/00	QC00684
ICV	TCLP Barium (mg/L)		1	1.04	104	75 - 125	1/25/00	QC00684
IÇ.V	TCLP Cadmium (mg/L)		1	1.02	102	15 - 125	1/25/00	QC00684
ICV	TCLP Chromium (mg/L)		j	1.02	102	75 - 125	1/25/00	QC00684
IC.V	TCLP Lead (mg/L)		1	1.03	103	75 - 125	1/25/00	QC00684
lCV	TO B Calmina (mails	n.	1	1.01	101	75 - 125	1/25/00	QC:00684
IC.V	TCLP Silver (mg/L)		0.2	0.208	104	75 - 125	1/25/00	QC00684
CCV I	TCLP Arsenic (mg/L)		ţ	1.04	104	75 - 125	1/25/00	QC00684
CCV I	TCLP Barium (mg/L)		ı	1.05	105	75 - 125	1/25/00	QC00684
CCV I	TCLP Cadmium (mg/L)		1	1.01	101	75 - 125	1/25/00	QC00684
CCV I	TCLP Chromium (mg/L)		1	1.03	103	75 - 125	1/25/00	QC00684
CCVI	TCLP Lead (mg/L)		1	1.04	104	75 - 125	1/25/00	QC00684
CCV 1	TCLP Selenium (mg/L)		1	1,04	104	75 - 125	1/25/00	QC00684
CCVI	TCLP Silver (mg/L)		0.2	0.204	102	75 - 125	1/25/00	QC00684
Standard	Param	Flag	CCVs TRUE Conc.	CCVs Pound Conc.	CCVs Percent Recovery	Percent Recovery Limits	Dote Analyzed	QC Butch
CCVI	Pyridine (mg/L)		60	60,71	101	0 - 103	1/3 1/00	QC00702
CCV I	1.4-Dichlorobenzene (mg/L)		60	58.77	98	33 - 84	1/31/00	OC00702
CCV!	o-Cresul (mg/L)		60	58.32	¥7	34 - 93	1/31/00	QC00702
CCV I	m,p-Cresol (ing/L)		60	57.76	96	0 - 128	1/31/00	QC00702
CCV !	Hexachloroethane (mg/L)		60	\$6.21	94	28 - 87	1/31/00	QC:00702
CCV 1	Nitrobenzene (mg/L)		60	59.01	98	40 - 98	1/31/00	QC00702
CCV:	Hexachlembutsdiene (mg/L)		50	59,64	, o	30 - 91	1/31/00	QC00702
CCV 1	2,4,6-Trichlorophenol (mg/L)		60	66.44	111	43 - 109	1/31/00	QC00702
CCV I	2.4,5-Trichlorophenol (mg/L)		60	63.11	105	47 - 106	1/31/00	QC00702
CCVT	2.4-Dinitrataluene (mg/L)		60	62.94	105	52 - 101	1/31/00	QC00702
CCV I	2,4-D (mg/L)		60	62.02	103	0 - 139	1/31/00	QC00702
CCA 1	Hexachlorobenzene (mg/L)		60	60.69	101	43 - 117	1/31/00	QC00702
CCA I	2,4,5-TP (mg/L)		60	65,65	109	0 - 138	1/31/00	QC00702
CCA (Pentichlomphenol (mg/L)		6U	36.44	94	27 - 107	1/31/00	QC00702
CCA (2-Fluorophenol (mg/l.)		60	64.94	108	16 - 65	1/31/00	QC00702
CCV I	Phenol-d5 (ing/L)		60	61.89	103	8 - 48	1/31/00	QC00702
CCV I	Nitrobenzene-d5 (mg/L)		60	59,00	98	28 - 118	1/31/00	QC00702
CCA 1	2-Fluorobiphenyl (mg/L)		60	58.73	äR	40 - 106	1/31/00	QC00702

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

(This space for State Lise)

APPROVED BY:

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator Mesquite Services, In 1. RCRA Exempt: Non-Exempt: P.O. Box 481 5. Originating Site Verbal Approval Received: Carlsbad, NM 882 M 6. Transporter Mesquite Services, I 2. Management Facility Destination Controlled Recovery, Inc. 8. State New Mexico 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) Various locations 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved -All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 03-007 Oilfield solid waste generated through oilfield operations. Enclosed is letter (see attached) to extend this process for the year 2001. Estimated Volume 100 yds. monthly Known Volume (to be entered by the operator at the end of the haul) Jan Wlaanen SIGNATURE TITLE: Bookkeeper DATE: 3-5-01 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: _ Carmella Van Maanen TELEPHONE NO. (505) 393-1079

TITLE

Mesquite Services, Inc. P.O. Box 481 Carlsbad, NM 88221 (505) 885-3996

March 1, 2001

To: NMOCD

RE: Wastes from oil and gas locations

Mesquite Services, Inc.through CRI requests to dispose of oilfield related wastes at CRI's facility located in Lea County, N.M. for the year 2001.

Mesquite Services, Inc. collects waste generated at various locations.

These containers may contain: empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves, rags, towels, and other non-hazardous materials. The containers will not contain any hazardous materials or hazardous waste.

Please call if I may provide additional information.

Sincerely,

Clay Wilson

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe. NM 87505

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APPROVED BY:

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-138 Revised March 17, 1999

Submit Origina.
Plus 1 Copy
to Appropriate
District Office

Santa Fe, NM 8/505	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Banta Oilfield Service, In
Verbal Approval Received: Yes No X	5. Originating Site P.O. Box 1706 Hobbs, NM
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Banta
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Various Locations	
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-010	
Oilfield solid waste generated through oilfield operations	
Enclosed is certificate of waste status and letter (see attached) to extend this process for the year 2001.	
Estimated Volume 1-2 trailers monthly Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Carmella Can Moanew TITLE: Bookkeep Waste Management Facility Authorized Agent	per DATE: 3-7-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. <u>(505) 393-1079</u>

TITLE:

TITLE:

BANTA OILFIELD SERVICE, INC.

February 23, 2001

TO: NMOCD

RE: Wastes from oil and gas locations

Banta Oilfield Service, Inc., through CRI, requests to dispose of oilfield related wastes at CRI's facility located in Lea County, New Mexico for the year 2001.

Banta Oilfield Service, Inc. collects wasted generated at

VARIOUS DILFIELD LOCATIONS.

These containers may contain: empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves rags, towels, and other non-hazardous materials. The containers will not contain any hazardous materials or hazardous waste.

Please call if I may provide additional information.

Vine 18 rom
Vini - Prindent

Sincerely,

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION
COMPANY/GENERATOR BANTA DIL FIELD SERVICE, IN
ADDRESS 2807 W. MARLAND, HOBBS, NM 3824
GENERATING SITE VARIOUS SITES COUNTY EDDY STATE NM
TYPE OF WASTE MUD'S CONCRETE SACKS EMPTY BUCKET PLATES, BOARTIS, WIRE, BLOVES, RAGS, TOWELS & OTH ESTIMATED VOLUME IDR TRAILERS PER MONTH (TRASH TRAILERS) GENERATING PROCESS
VARIOUS BILFIELD LOCATIONS
remarks nmocd facility_C, R, I,
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the wastess as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613, AGENT SIGNATURE NAME PRINTED ADDRESS PO. BCX 1706 Hobbs, N.M. 88241
DATE 1-17-2001

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE				
1. RCRA Exempt: Non-Exempt: X	4. Generator Phillips Petroleum			
Verbal Approval Received: Yes No X	5. Originating Site HC 60, Box 66 Lovington, NM			
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Waste Managemen			
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico			
7. Location of Material (Street Address or ULSTR) East Vacuum Grayburg San	Andres Unit, Buckeye, NM			
9. Circle One:				
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessarial is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the			
All transporters must certify the wastes delivered are only those consigned for transpo	rt.			
BRIEF DESCRIPTION OF MATERIAL:				
03-011				
Oilfield solid waste generated through oilfield and gas operations				
Enclosed is certificate of waste status and letter (see attached) to extend this process for the year 2001.				
Estimated Volume 20 cubic yds.monthly Known Volume (to be entered by the operation)	ator at the end of the haul)cy			
SIGNATURE (a) (a) (a) (a) (a) (b) (a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	DATE: 3-7-01			
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. <u>(505) 393-1079</u>			
(This space for State Use)	_ / /			
APPROVED BY: Alexander TITLE:	DATE 3/21/01			
	DATE:			

Unit

02/22/01

CERTIFICATE OF WASTE STATUS

CRI

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"
COMPANY/GENERATOR Phillips Potroloum Company
ADDRESS HC 60 BOX 66 Lovington, N.M 88260
GENERATING SITE East Vacuum Grayburg San Andres
COUNTY Lea STATE N.M.
TYPE OF WASTE $50/id$
ESTIMATED VOLUME 20 yd3 per month
GENERATING PROCESS Oil and Gas Production
REMARKS
NMOCD FACILITY CRI'S Loa Comby facility
NMOCD FACILITY CRI'S Loa Comby Facility IRUCKING COMPANY Was for Manage mont
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge 'hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT SIGNATURE NAME ADDRESS COL Penbrook Odes 60 TX 79762
DATE 2-23-01

PHILLIPS PETROLEUM COMPANY

4001 PENBROOK ODESSA, TEXAS 79762

EXPLORATION AND PRODUCTION Southwest Region

February 23, 2001

To: NMOCD

Re: Wastes from Oil and Gas Production facilities

Phillips Petroleum Company, through CRI requests disposal of oilfield wastes at CRI's facility located in Lea County, N.M.

Phillips collects waste generated at their East Vacuum Grayburg San Andres Unit near Buckeye, N.M. in roll off containers provided by Waste Management. These containers may contain empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves, rags, towels, crude oil contaminated soil and other non-hazardous wastes. The containers will not contain any RCRA hazardous waste.

Please call me at 915/368-1439 of you need additional information.

Yours truly,

H.O. Platt

Safety & Environmental Affairs

Supervisor

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Brininstool Equipment Sales, Inc.
Verbal Approval Received: Yes No X	5. Originating Site 506-B Center Ave Carlsbad, NM
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter BES
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Various Locations	
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved	ecessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transp	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-012	
Oilfield solid waste generated through oilfield operations.	
Enclosed is letter (see attached) to extend this process for the year 2001	
Estimated Volume appx. 1800 yds. yearly cy Known Volume (to be entered by the open	rator at the end of the haul)cy
SIGNATURE Cormella Con Myanen TITLE: Bookke Waste Management Facility Authorized Agent	eper DATE: 3-9-01
TYPE OR PRINT NAME: Carmella Van Maanen TELE	PHONE NO. <u>(505) 393-1079</u>
(This space for State Use)	//
	DATE SAID
APPROVED BY: TITLE:	DATE:



PO BOX 6182 506-B EAST CENTER AVENUE CARLSBAD, NEW MEXICO, USA, 86221-5182 PHONE 800.559-4660 OR 505.887-3550 FAX: 506.887-3210 www.equipagles.com

March 8th, 2001

To: NMOCD

Ref: Wastes from oil and gas locations

Brininstool Equipment Sales, Inc. (BES) through CRI requests to dispose of oilfield related wastes at CRI's facility located in Lea County, NM for the year 2001.

BES collects waste generated various locations throughout Southern New Mexico.

These containers may contain: empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves, rags, towels, and other non-hazardous waste.

Please call if I may provide additional information.

Sincerely.

Joe Brininstool

CEO

JB/jeb

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE			
1. RCRA Exempt: Non-Exempt: X	4. Generator Rio Tanks, Inc. Fas-Line Sales & Rentals		
Verbal Approval Received: Yes No X	5. Originating Site 4602 W. Pierce Carlsbad, NM		
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown		
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico		
7. Location of Material (Street Address or ULSTR) Various Locations			
9. <u>Circle One</u> :			
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessarial is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the		
All transporters must certify the wastes delivered are only those consigned for transporters	ort.		
BRIEF DESCRIPTION OF MATERIAL:			
03-013			
Oilfield solid waste generated through oilfield operations.			
Enclosed is letter (see attached) to extend this process for the year 2001.			
Estimated Volume appx. 100 yds. monthly Known Volume (to be entered by the operation)	ator at the end of the haul)cy		
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkee	per DATE: 3-9-01		

(This space for State Use)	, ,
APPROVED BY: Mudd TITLE D	ATE <u>3/24/01</u>
APPROVED BY: TITLE: D	ATE:

TELEPHONE NO. __(505) 393-1079_

TYPE OR PRINT NAME: <u>Carmella Van Maanen</u>



RIO TANKS, INC. FAS-LINE SALES & RENTALS

of Carlsbad
Division of RIO TANKS
4602 W. Pierce
Carlsbad, NM 88220
PHONE (505) 887-6514 • FAX (505) 885-9569



March 8,2001

To: NMOCD

RE. Wastes from oil and gas locations

Rio Tanks, Fas-Line Inc. through CRI requests to dispose of oilfield related wastes at CRI facility located in Lea Co. N.M. for the year 2001.

Rio Tanks, Fas-Line Inc. collects waste generated at drilling locations in Eddy and Lea counties.

These containers may contain: empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves, rags, towels, and other non-hazardous materials. The containers will not contain any hazardous materials or hazardous waste.

Please call if I can provide additional information.

Sincerely,

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
811 South First, Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-138 Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Lone Star Distribution
Verbal Approval Received: Yes No X	5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 4417 Lovington Hwy. Hobb	s New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by new material is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transport	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-014	
Oilfield solid waste generated through oilfield operations.	
Enclosed is letter (see attached) to extend this process for the year 2001.	
Estimated Volume appx. 40 yds. monthley Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Almello Com Maner TITLE: Bookkee	per DATE: 3-9-01
	HONE NO. (505) 393-1079
(This space for State Use)	_///
APPROVED BY A COSC TITLE:	DATE: 3/4/0/
APPROVED BY: TITLE:	DATE

Ø1002

Lone Star Distribution 4417 Lovington Hwy. Hobbs, NM 88240 (505) 392-4932

CRI

March 9, 2001

To: NMOCD

RE: Wastes from oil and gas locations

Lone Star Distribution through CRI requests to dispose of oilfield related wastes at CRI's facility located in Lea County, N.M. for the year 2001.

Lone Star Distribution collects waste generated in Lea County, New Mexico through oilfield operations.

These containers may contain: empty mud sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, gloves, rags, towels, and other non-hazardous materials. The containers will not contain any hazardous materials or hazardous waste.

Please call if I may provide additional information.

Sincerely,

Henry Vela

Henry Vila Lone Star Distribution

APPROVED BY:

APPROVED BY: 2

3

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division Environmental Bureau Oil Conservation Division

RECEIVED

Form C-138 Revised March 17, 1999

DATE: _

DATE: 3-23-01

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1220 South St. Francis Dr. Conta Ea NIM 87505

1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	Oil Conservation	Division	District Office
REQUEST FOR API	PROVAL TO ACCEPT S	SOLID WAS	STE	
1. RCRA Exempt: Non-Exempt: X		4 Generator	Dowell Schlumbe	erger
Verbal Approval Received: Yes	No 🗓	5. Originating S	Site Hobb	s Facility
2. Management Facility Destination Controlle	ed Recovery, Inc.	6. Transporter	Waste M	lanagement
3. Address of Facility Operator P.O. Box 38	8, Hobbs	8. State No	ew Mexic	0
7. Location of Material (Street Address or ULSTR)	Bulk Plant, 1105 W. Bende	r Ne	w Mexico)
9. <u>Circle One</u> :				
A. All requests for approval to accept oilfield execute one certificate per job. B. All requests for approval to accept non-exemp material is not-hazardous and the Generator's approved	t wastes must be accompanied by nec	essary chemical a	nalysis to Pl	ROVE the
All transporters must certify the wastes delivered	are only those consigned for transpo	rt.		
BRIEF DESCRIPTION OF MATERIAL:				
03-015				
Oilfield solid waste generated through oilf	ield operations.			
Enclosed is certificate of waste status and I this process for the year 2001.	letter (see attached) to extend			
Estimated Volume appx. 30 yds. weeklycy Know	n Volume (to be entered by the opera	tor at the end of t	he haul)	cy
SIGNATURE Windle Com Mac M Waste Management Facility Authorized Age	TITLE: Bookkeepe	er	DATE:	3-12-01
TYPE OR PRINT NAME: Carmella Van	Maanen TELEP	HONE NO	(505) 393	-1079
(This space for State Use)				

TITLE:

March 10, 2001

To: NMOCD

RE: Wastes from oil and gas industry

Schlumberger, through CRI, requests permission to dispose of oilfield related wastes at CRI's facility located in Lea County, NM for the year 2001.

Schlumberger collects waste generated at the Hobbs facility in Lea County NM. These wastes are generated through various processes involving mixing and blending various dry and liquid materials in the cementing and treatment of oil wells.

The waste may contain empty sacks, empty boxes, empty buckets, empty cans, crates, boards, wire, rags, gloves, towels, and other non-hazardous materials. The containers will not contain any hazardous material or hazardous waste.

Sincerely,

Darwin Thompson

Varuin Thoughan
Maintenance Supervisor

•
COMPANY/GENERATOR Dowell Schlumbergen
ADDRESS_ 1105 W, Bender
GENERATING SITE Bulk Plant, Hobbs, NM
COUNTY LOG STATE NM
TYPE OF WASTE empty paper sacks, wood empty plastic buckets
ESTIMATED VOLUME 30 yards per week
GENERATING PROCESS Blending bulk coment
and additives from vanious locations
NMOCD FACILITY CAI TAC, TRUCKING COMPANY Waste Management As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT Dawin Thousant SIGNATURE
NAME Danula Thompson PRINTED
ADDRESS 1/05 W. Bender
DATE 3-9-0/

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

MAR 2 6 2001

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Form C-138 Revised March 17, 1999

REQUEST FOR APPROVAL TO ACCEPT S	SULID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Forklift Enterprises
Verbal Approval Received: Yes No X	5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2908 W. Marland, Hobbs	New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by new material is not-hazardous and the Generator's certification of origin. No waste class approved	cessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transpo	ort.
BRIEF DESCRIPTION OF MATERIAL:	
Wash bay sludge generated by washing of oilfield trucks and equipment Enclosed is analytical data, chain of custody and certificate of waste stat	
Estimated Volume 50 bbls. cy Known Volume (to be entered by the oper	ator at the end of the haul)cy
SIGNATURE (1) Maste Management Facility Authorized Agent TITLE: Bookkeep	DATE: 3-23-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEF	PHONE NO(505) 393-1079
(This space for State Use)	E-1997
APPROVED BY TITLE: APPROVED BY TITLE:	DATE DATE 8-27-01

COMPANY/GENERATOR Forklift Enterprises ADDRESS P.O. Drawer 70, Hobbs, NM 88241 GENERATING SITE 2908 W. Marland, Hobbs, NM COUNTY Lea STATE NM TYPE OF WASTE Wash bay sludge
GENERATING SITE 2908 W. Marland, Hobbs, NM COUNTY Lea STATE NM TYPE OF WASTE Wash bay sludge
COUNTY Lea STATE NM TYPE OF WASTE Wash bay sludge
TYPE OF WASTE Wash bay sludge
<i>i</i> , ,
ESTIMATED VOLUME 50 66/3
GENERATING PROCESS OILSel Truchs & Eguipmen
REMARKS MOSTLy Calicke MUD NMOCD FACILITY Controlled Recovery, Inc.
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT SIGNATURE NAME PRINTED ADDRESS PRINTED P

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

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

ANALYTICAL RESULTS FOR FORKLIFT ENTERPRISES ATTN: CLYDE HARRISON P.O. DRAWER 70 HOBBS, NM 88241 FAX TO: (505) 397-6434

Receiving Date: 01/26/01
Reporting Date: 02/05/01
Project Number: NOT GIVEN
Project Name: WASHBAY SLUDGE

Project Location: 2908 W. MARLAND

Sampling Date: 01/26/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: AH

TCLP METALS

FORKLIFT ENTERPRISES

LAB NO. SAMPLE ID	As	Ag	Ba	Cd	Cr	РЬ	Hg	Se
	ppm	ppm	þþm	mďď	ppm	bbw	ppm	ppm
ANALYSIS DATE:	02/02/01	02/01/01	02/01/01	02/01/01	02/01/01	02/01/01	02/01/01	02/02/01
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H5554-1 WASHBAY SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
				· · · · · · · · · · · · · · · · · · ·	,,,,			
(1)								
								
				.,	Property of the control of the contr			
					And the management of the state			
Quality Control	0.191	4.837	47.86	1.038	5.030	5.020	0.00424	0.053
True Value QC	0.200	5.000	50.00	1.000	5.000	5.000	0,00400	0.050
% Recovery	95.5	96.7	95.7	104	101	100	106	106
Relative Standard Deviation	2.2	0.3	1.3	0.2	0.3	0.1	5.7	3.6
METHODS: EPA 1311, 600/4-91/0	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Gayle A. Potter, Chemist

02/06/2001

PLEASTIP Auditing and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whather based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after complication of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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

ANALYTICAL RESULTS FOR FORKLIFT ENTERPRISES ATTN: CLYDE HARRISON P.O. DRAWER 70 HOBBS, NM 88241

FAX TO: (505) 397-6434

Receiving Date: 01/26/01 Reporting Date: 02/05/01

Project Number: NOT GIVEN

Project Name: WASHBAY SLUDGE Project Location: 2908 W. MARLAND Sampling Date: 01/26/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: GP Analyzed By: AH/BC

REACTIVITY

LAB NUMBER SAMPLE ID

Sulfide

Cyanide CORROSIVITY IGNITABILITY

(ppm) (ppm)

(pH)

(°F)

ANALYSIS DATE:	01/29/01	01/29/01	01/26/01	01/30/01
H5554-1 WASHBAY	Not reactive	Not reactive	7.38	>140
SLUDGE	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
and the second of the second o				
1 (1) (1) (1) (1) (1) (1) (1) (1	**************************************			
Quality Control	NR	NR	7.04	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	101	NR
Relative Percent Difference	NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, 40 CFR 261

Bur Jest La look

Date



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

ANALYTICAL RESULTS FOR FORKLIFT ENTERPRISES ATTN: CLYDE HARRISON P.O. DRAWER 70 HOBBS, NM 88241 FAX TO: (505) 397-6434

Receiving Date: 01/26/01 Reporting Date: 01/29/01 Project Number: NOT GIVEN

Project Name: WASHBAY SLUDGE

Project Location: 2908 W. MARLAND

Analysis Date: 01/26/01 Sampling Date: 01/26/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

LAB NUMBER SAMPLE ID

TPH (mg/Kg)

H5554-1	WASHBAY SLUDGE	5950
Marie Control of the		
ful :		
		1.
	The State of the S	
Quality Control	FURMICAL	241
True Value QC		240
% Recovery		100
Relative Percer	nt Difference	3.9

METHOD: EPA 600/4-79-020 418.1

Chemist Structure Solve

Date



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

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

ANALYTICAL RESULTS FOR FORKLIFT ENTERPRISES ATTN: CLYDE HARRISON P.O. DRAWER 70 HOBBS, NM 88241 FAX TO: (505) 397-6434

Receiving Date: 01/26/01
Reporting Date: 02/01/01
Project Number: NOT GIVEN

Project Name: WASHBAY SLUDGE Project Location: 2908 W. MARLAND

Lab Number: H5554-1

Sample ID: WASHBAY SLUDGE

Analysis Date: 01/31/01 Sampling Date: 01/26/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: GP

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5554-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.092	92	0.100
1,1-Dichloroethylene	0.7	<0,005	<0.005	0.102	102	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.100	100	0.100
Chloroform	6.0	<0.005	<0.005	0.094	94	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.096	96	0.100
Benzene	0.5	0.018	<0.005	0,084	84	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.093	93	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.096	96	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	< 0.005	<0.005	0.093	93	0.100
1,4-Dichiorobenzene	7.5	<0.005	<0.005	0.099	99	0.100

% RECOVERY

·	
1,2-Dichloroethane-d4	. 98
Toluene-d8	97
Bromofluorobenzene	103

METHODS: EPA SW 846-8260, 1311

Burgess J A Cooke, Ph. D.

Date



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

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

ANALYTICAL RESULTS FOR FORKLIFT ENTERPRISES ATTN: CLYDE HARRISON P.O. DRAWER 70 HOBBS, NM 88241 FAX TO: (505) 397-6434

Receiving Date: 01/26/01 Reporting Date: 01/29/01 Project Number: NOT GIVEN

Project Name: WASHBAY SLUDGE Project Location: 2908 W. MARLAND

Lab Number: H5554-1

Sample ID: WASHBAY SLUDGE

Analysis Date: 01/28/01 Extraction Date: 01/27/01 Sampling Date: 01/26/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

	EPA	Sample Result	Method			True Value
TCLP SEMIVOLATILES (PPM)	LIMIT	H5554-1	Blank	GC	% Recov.	QC
Pyridine	5,00	<0.020	<0.005	0.022	44	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0,026	52	0.050
m, p-Cresol	200	<0.020	<0.005	0.024	48	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.027	54	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.026	52	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.024	48	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.028	56	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.032	64	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.029	58	0,050
Hexachlorobenzene	0.130	<0.020	<0.005	0.022	44	0.050
Pentachlorophenol	100	<0.020	<0.005	0.030	60	0.050

% DECOVEDY

	N KECOAFU I		
Fluorophenol	86		
Phenol-d5	38		
Nitrobenzene-d5	68		
2-Fluorobiphenyl	82		
2,4,6-Tribromophenol	88		
Terphenyl-d14	107		

METHODS: EPA SW 846-8270, 1311, 3510

· -

Date

1/29/0(

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5

Page

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

ARDINAL LABORATORIES, INC. 2111 Beechwood, Ablene, TX 78603 101 E. (915) 673-7020 (505)

Company Name:	Fortier Forter DVISUS, Twee	25, Twe.			_	ANALYSIS REQUES	AUES!	
riojeca managar.			7.C.₹		•		· ·	
Address:	P.O. DRAWLR 70		Company:					
CHy: 1-46	14665 States 12	States flow ZIP: SE241	Attn:					•
Phone #: 505-37-643		Fax # 505-397-6434	Addrese:					
Project #:	Profect Owner.	mer:	G.					
Project Name:	WASh BAY SlubGe	8	State: Zip:			, ,		
Project Location:	2908	۵۰	Phone if:					
Sampler Name:	(Wase HAMEISON		Fax #:					
FOR LAB LEE ONLY		MATRIX	PRESERV SAMPLING	O ON				
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Lab I.D.	Sample I.D.		R: SASE:	0L				٠.
	•	екол # сои	ACIDA POETE OTHE DATE	E SAIL	,			.]
1-655517	WOSH BAY SCHOLE		001/12/10	7				
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PLEASE NOTE: LANSON	PLEASE NOTE: Listing and Durages. Surdan's babity and death and able remody to any dean white whole		int, what he leaked to the serence paid by the clear for the	To derf for the		Terms and Obnditions	Manage belorged will be drawyed on all accounts ormes from	إ
analyses, As takes trobated service, Inno eventual Car	sentyses. At cisies training throse for sentymens and my other news inferioress what he destined welves interes in service. Into senty wild Continue he baths for inchestat or consequental charactes, including without Ballattem, brain	F W	nusio in westing end received the Cardinal within 10 days after competent of the applications has the production of the spiritual construction of the construction of	pioten of the applicable to exhebitation.		Wongs present the state of the	to ago pag ate in the two of 20% per artist ents to original one of and and decided of codes of codesafore, historia originariy? Note.	
cellaber or successors arisin	efficient or excessions white out of or related to the parformance of vertices becounder by Carthies reported on	by Cardinal, regardless of whether such delicib.	seed upon any of the above stated mean	I Phone Retuit: Ves	ON L	Add'l Phone 5:		1
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CHECKED BY: (Initials)

Cool intact
KN998 (XV98

Sampler - UPS - Bus - Other:

1002/

1

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

(This space for State Use)

APPROVED BY Matrix

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources MAR 2 6 2001

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

SEVATION OPERS

Submit Original Plus 1 Copy to Appropriate District Office

Form C-138

Revised March 17, 1999

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator Weatherford ALS 1. RCRA Exempt: Non-Exempt: 5. Originating Site Hobbs Facility Verbal Approval Received: X 6. Transporter CRI 2. Management Facility Destination Controlled Recovery, Inc. New Mexico 8. State 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) 1802 W. Marland, Hobbs New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 03-016 Sump sludge Sump material generated from washing of downhole oilfield pumps and equipment. Enclosed is analytical data, chain of custody, and certificate of waste status. This material has been approved in the past. Estimated Volume 300 bbls. Known Volume (to be entered by the operator at the end of the haul) cv Wimella (an n SIGNATURE TITLE: Bookkeeper DATE: 3-19-01 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

TITLE Environmental Goodons

DATE: 32)

P. 1

COMPANY/GENERATOR Weatherford ALS	
ADDRESS Box 371, Hobbs, NM 88241	
GENERATING SITE Hobbs Facility, 1802 West Marland, Hobbs, N	M
COUNTY Lea STATE NM	
TYPE OF WASTE Sump Sludge	
ESTIMATED VOLUME 300 Bbls.	
GENERATING PROCESS Washing of downhole cilfield	
pumps and equipment.	
REMARKS	
REWARKS	
NMOCD FACILITY <u>Controlled Recovery, Inc.</u>	
TRUCKING COMPANY CRI	
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be enalyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous	
or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant	
mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.	
AGENT James Sterling SIGNATURE	
NAME James Sherlin PRINTED	
ADDRESS 1802 W. Marland	
Hobbs, NM 88240	
DATE 2-21-01	

Martyne,

This is the one that was

denied (02-006) because of

the ignitability. He had

it retested + we are

resubmitting for approval.

Thanks, Carmella



PHONE (016) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 70503

PHONE (605) \$93-2326 - 101 E. MARLAND - HOBBS, MM 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2821 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 383-4892

Receiving Date: 02/01/01 Reporting Date: 02/06/01 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN

Lab Number: H5671-1 Sample ID: 6UMP

Analysis Date: 02/04/01 Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.101	101	0.100
1,1-Dichlorosthylene	0.7	<0.005	<0.005	880.0	86	0.100
Methyl Ethyl Katone	200	<0.050	<0.050	0.082	82	0.100
Chloroform	0.8	<0.00€	<0:005	0.089	88	0.100
1,2-Dichlorosthane	0.5	€0,005	<0.005	0.092	82	0.100
Benzene	0.5	<0.005	<0.005	0.090	90	0.100
Carbon Tetrachlorida	0.5	<0.008	<0.005	0:093	83	0.100
Trichlorgethylene	0.5	<0,005	<0.005	0.090	80	0.100
Tetrachiorosthylene	0.7	<0.005	<0.005	0.095	85	0.100
Chiorobenzane	100	<0.005	<0.005	0.082	82	0.100
1,4-Dichlorobenzene	7.5	<0.005	≪0.005	0.090	90	0.100

% RECOVERY

Dibromofiuoremethene	
Toluene-d8	
Bromofluorobenzens	

METHODS: EPA SW 848-8260, 1311

PLEASE NOTE: I, highlity and Demages. Cardina's liability and district sociative remony for any claim assuing, advanture. At claims, including those for negligarine and any other cause whetenower area to deemed unless reads in write service. In no sweet sheet Cardinat to little for indicardal or consequential demages, indusing, whose little for indicardal or consequential demages, indusing, whose little for indicardal or consequential demages, indusing, whose little for indicardal or consequential demages, indusing, where it is additionable of exclusive or strong out of or related to the performance of services himsunder by Cardinat, requirities of units. s in writing and Mounted by Cardhell within with (30) days and compeletion of the expirit lost, bushyess interruptions, loss of use, or loss of profits incurred by clerct, in subsidies



PHONE (916) 673-7601 - 2111 BEECHWOOD - ABILENE, TX 79503

PHONE (606) 393-2328 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2821 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 393-4892

Receiving Date: 02/01/01 Reporting Date: 02/02/01 Project Number: NOT GIVEN

Project Name: NOT GIVEN

Project Location: NOT GIVEN

Analysis Date: 02/01/01 Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

LAB NUMBER SAMPLE ID

TPH (mg/L)

H5571-1 SUMP	782000
Quality Control	39.3
True Value QC	40.0
% Recovery	88.3
Relative Percent Ofference	1.8

METHOD: EPA 800/4-79-020 418.1



PHONE (\$15) 673-7001 . 2111 BEECHWOOD . ABILENE, TX 79603

PHONE (505) 393-2328 - 161 E. MARLAND - HOBBS, NM \$6240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2621 W. MARLAND HOBBS, NM. 88240 FAX TO: (505) 393-4862

Receiving Date: 02/01/01
Reporting Date: 02/12/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Lab Number: H5571-1 Sample ID: SUMP

Permichlorophenol

Analysis Osta: 02/08/01 Sampling Date: 02/01/01 Sample Type: SLUDGE Sample Condition: COOL & INTACT

Sample Received By: AH Analyzed By: BC

0,041

<0.005

0.050

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5571-1	Method Blank	QC	% Recov.	True Yelue QC
Pyridine	5.00	40,020	<0.005	0.016	32	0.050
1,4-Dichlorobanzene	7.50	<0.020	<0,005	0:038	76	0.060
o-Cresci	200	<0.020	<0.005	0.036	72	0,060
m, p-Cresol	200	40:020	<0.005	8.037	74	0.060
Herschloroethane	3,00	<0.020	<0.005	0.038	78	0.050
Nitrobenzene	2.00	<0,020	<0.008	0.040	80	0.050
Hexachioro-1,3-butadiena	0.500	<0.020	<0,00€	0.035	70	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.041	82	0,050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.041	82	0.050
2.4-Dintrotoluene	0.130	<0.020	<0.005	0.043	85	0.050
Hermhirmhenzene	0.130	<0.020	<0.005	0.037	74	0.058

€0.020

	* RECOVERY
Fluorophenol	79
Phenol-dS	54
Nitrobenzene-d6	97
2-Fluorobiphenyl	108
2,4,6-Tribromophenol	77.
Terphenyl-d14	113

100

METHODS: EPA SW 848-8270, 1311, 3510

Burgess Jin Coope Ph. D.

21201 Deta

PLEASE NOTE: Limiting and Damages. Despiner's Sabray and client's annium's numery by any claim arising, whether based in corporation or part, which he simited to the amount paid by client for analyses. As claims, including mose for imprigence and any other cause whatever shall be deemed valved unless made in writing and sucked by Cardinal transport transport of the applicable services. In no event shall be fished for incidental or consequential distances, including, without limitation, business instructions, loss of leas, or these of profits incurred by olders, as succidentes, amiliating or successors adaing out of or released to the performance of services neurosuccess in whether such claims to begind upon any of the sometiments conserved asserts or otherwise.



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

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

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2621. W. MARLAND **HOBBS, NM 88240** FAX TO: (505) 393-4892

Receiving Date: 03/02/01 Reporting Date: 03/08/01 Project Number: NOT GIVEN Project Name: NOT GIVEN Project Location: NOT GIVEN Analysis Date: 03/08/01 Sampling Date: 03/02/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

IGNITABILITY (°F)

LAB NUMBER

SAMPLE ID

H5866-1 PIT	>140
<u> </u>	
Quality Control	NR
True Value QC	NR
% Accuracy	NR
Relative Percent Difference	NR

METHOD: SW 846-1010

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Markend, Hobbs, NN 88240

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abhene, TX 79603

6 ANALYSIS REQUES Versie und Oriellieren: 30 days part die it file it end ist open of collections CINO Add Phone ptil idatino I Phone Result: Fex Result: REMARKS: ا ال Company: [] ULHILDI 3,9,01 State: DINZie: 🛠 24 CHECKED BY: (In:161abs) (505) 393-2328 Fax (505) 393-2478 Fromo P. 2 OTHER: Feet 30 Address: ICE | COOF P.O. 4 Ven: **ACID/BASE** : ABHTO STROCE Wed By: (Leb Sta CKUDE OF **MASTEWATER** GROUNDWATER 15 A 3 - U The Millian ii Z Virtiginal G)RAS OR (C)OMP (915) 673-7001 Fax (915) 673-7020 Project Owner: Starts? Time Sample LD. SHULL TAKE Sampilyr - UPS . But - Other: Delivered By: (Circle One CAR LOTE: Desympto Project Manager: Company Name: Project Location Relinquished By Jampler Name: POR LAB LISE CALV -5000C Project Name Lab I.D. Tolect # horne #:



PHONE (915) 673-7001 . 2111 DEECHWOOD - ABILENE, TX 79803

PHONE (605) 383-2328 - 101 E. MARIAND - MOBBS. NM 88240

ANALYTICAL RESULTS FOR WEATHERFORD ALS ATTN: JAMES SHERLIN 2021 W. MARLAND HOBBS, NM 88240 FAX TO: (505) 393-4892

Receiving Date: 02/01/01
Reporting Date: 02/08/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/01/01 Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Semple Received By: AH Analyzed By: GP/AH

TCLP METALS

LAB NO. SAMPLE ID	A4	Ag	Ba	Cd	Çr	Pb	Hg	. 84
	ppm	ppm	ppm	bbw	ppm	bbu	ppm	ppm
ANALYSIS DATE:	02/05/01	02/06/01	02/06/01	02/08/01	02/06/01	02/06/01	02/06/01	02/05/01
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H5571-1 SUMP	ণ	<1	<5	<0.1	ধ	ব	€.62	<0.1
Quality Control	0,061	4.870	49.95	1,008	0,965	5,061	0.00587	0,197
True Value QC	0.050	5.800		1.000	1.000	5.000	0.00600	0.200
								88.5
% Recovery	102	97.4	8.99	101	96.5	101	97.8	
Relative Standard Deviation	5.5	0.3	1.2	0.2	3,6	0,4	22	8,5
METHODS: EPA 1311, 600	4-91/ 206.2	272.1	208,1	213.1	218.1	239.1	245.1	270.2

Gayle A. Potter, Chemist

02/12/200;

PLEASURY and Destroyee. Cardinat's Rebitsy and cleants exclusive centedy to any claim arising, whether beand in commit or text, what he imment to the amount paid by class for employee.

As cardine, including these for negligation and print other businesses shall be deemed when under made in writing and tempting by Cardinal within thirty (XII) days after completion of the applicable service. In not were small Cardinal by faith for including all designed, including, without including, without including a consequence of protein incurred by claim, in subsectable within the print of the protein incurred by claim, in subsectable within the protein and the protein incurred by claim, in subsectable within the protein and the protein incurred by claim, in subsectable within the protein and the protein incurred by claim.

Company Names (V)	- 10 G	ماح	(605) 383-2476		ANALYSIS REQUEST
"]	tend.	445	P.O. X		
Autorian: 2621	My Marlan	A	Company: Wastherford	6,4	
	State:	CHERR ME		3	
Manuelt 505-393-319	1	39		_	
Project &			com. Hobbs 1	3	
Project Names			<u>`</u>	10 OF	
Project Location: ()	>		F-64 E - 3 490019		
Amount Thomas (1)	NO DOM	·	3 9 3 · 4	92	
POLICE	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	XXXXXX	SWINGTH ANDERSAM	Ĭ	
		IS TER		<u>ე</u> გ.	
Lab I.D.	Sample LD.	(G)RAB OR (C) CONTABLE GROUNDWA WASTEWATI SOIL GRUDE OL SLUDGE	OTHER: ACIDIBASE: ICE/COOL OTHER:	TOF	
H2211-1 21	dwn		2-1-2		
			TAKE TO THE TAKE	100	
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ampler field repulsion		Received By:		Phone Heads: UVes UNO For Resurt: UVes UNO	No Add Frant E
	Three				1
	7 03:00-DI	My Opening	5		
Delivered By: (Circle One)	(Circle One)	ID Candilla	(Anthois)		

Listrict I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED

Form C-138 Revised March 17, 1999

MAR 3 0 2001 Environmental Bureau

Oil Conservation Division

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

REQUEST FOR APPROVAL TO ACCEPT	
1. RCRA Exempt: Non-Exempt: X	4. Generator Weatherford International
Verbal Approval Received: Yes No X	5. Originating Site 400 W. Illinois Ave Ste 1500, Midland, T
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Waste Management
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Various Locations	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.	a certification of waste from the Generator;
B) All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved	
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-008	
Oilfield and plant waste generated through oilfield and plant operations	S.
Enclosed is letter, MSDS sheets and certificate of waste status to extend this process for the year 2001.	d
Estimated Volume 124 cubic yards yearly cy Known Volume (to be entered by the oper	ator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeeper	DATE: 3-28-01
TYPE OR PRINT NAME: Carmella Van Maanen TELER	PHONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY: TITLE: TITLE: Expiron and	hladosy DATE #7-3-01



26 January, 2001

Ken Marsh Controlled Recovery Inc. P.O. Box 388 Hobbs, N.M. 88241

Ref: Waste Material Profiles

Dear Ken:

Please find enclosed the profiles for the Weatherford facilities in West Texas and SE New Mexico. The waste streams include materials such as gloves, rags and absorbent which may contain very limited quantities of oil and/or grease generated from the normal work process of handling, wiping, etc. and the repairing, maintaining and servicing of oilfield tools and equipment.

The waste stream may also include plastic and metal containers which previously contained paint (water based and limited oil based), oils, lubricants, greases, hydraulic fluids, etc. All containers will be drained and/or dried to ensure minimal migration. In addition, containers will be crushed if possible to assist in space conservation in the landfill.

Included with this letter, please find various MSDS copies representative of the waste streams generated.

To my knowledge, these waste streams are free of hazardous wastes.

Should you have any questions or comments regarding this correspondence please call me at 915-683-1604. Thanks again for your help.

Regards.

J. Tim Culver **HSE** Coordinator

Weatherford West Texas

cc: file

Drilling & Intervention Services

Martyne,
This was one that
was denied that I am
resubmitting with the
same rumber (03-008)

that we reeded MSDS

sheets which I am enclosing. hanks, Carmella

COMPANY/GENERATOR Weatherford International	<u>.</u>
ADDRESS 1860 Mercury Road, Odessa, Texas 79763 (Williams Tool)	•
GENERATING SITE 1860 Mercury Rd., Odessa, Texas 79763	
COUNTY Ector STATE Texas	-
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid c	ans and buckets
(both metal and plastic), oil absorbent, dried spent paint f ESTIMATED VOLUME 12 cubic yards per year.	ilters.
GENERATING PROCESS General clean up, maintenance, repair, replacement of	· ·
parts and fluids&painting of oilfield equipment.	
REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics paint filters(dried), rags and gloves, absorbents, all rendered dra	(cans,buckets)
NMOCD FACILITY CONTROLLED RECOVERY INC.	·
TRUCKING COMPANY Waste Management	•
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the result mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2	ant 613.
NAME Tim Culver	
PRINTED ADDRESS 400 W. Illinois Ave., Ste 1500	
Midland, Texas 79701	
DATE01-29-01	
This document serves as a certificate of wastesstatus for the year 2007.	

COMPANY/GENERATOR Weatherford International	
ADDRESS #12 Byron Road, Midland, Texas 79706 (UBS)	
GENERATING SITE #12Byron Road, Midland, Texas 79706	-
COUNTY Midland STATE Texas	-
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic i	luid cans and buckets
(both metal and plastic), oil absorbent, dried spent p ESTIMATED VOLUME /2 cubic yards per year.	eaint filters.
GENERATING PROCESS General clean up, maintenance, repair, replacement	ent of
parts and fluids & painting of oilfield equipment.	· ·
REMARKS Waste is generally a mixture of non-biodegradeable metals,pl paint filters(dried),rags and gloves, absorbents, all render	astics (cans, buckets)
NMOCD FACILITY CONTROLLED RECOVERY INC.	
TRUCKING COMPANY Waste Management	-
As a condition of acceptance for disposal, I hearby certify that this was a non-exempt waste as defined by the Environmental Protection Age (EPA) July 1988 Regulatory Determination. To my knowledge, this we will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify that to my knowledge "haza or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subjuint D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Set AGENT SIGNATURE	ncy's aste ify the ardous barts C a resultant
NAME Tim Culver	
PRINTED	•
ADDRESS 400 W. Illinois Ave., Ste 1500	
Midland, Texas 79701	
DATE01-29-01	
This document serves as a certificate of wastesstatus for the year 2001	•

COMPANY/GENERATOR Weatherford International
ADDRESS 3505 23rd Street, Snyder, Texas 79549 (Fishing and Rental)
GENERATING SITE 3505 23rd Street, Snyder, Texas 79549
COUNTY Scurry STATE Texas
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and buckets
(both metal and plastic), oil absorbent, dried spent paint filters. ESTIMATED VOLUME 12 cubic yards per year.
GENERATING PROCESS General clean up, maintenance, repair, replacement of
parts and fluids & painting of oilfield equipment.
REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics (cans, buckets) paint filters(dried), rags and gloves, absorbents, all rendered drained & dry.
NMOCD FACILITY CONTROLLED RECOVERY INC.
TRUCKING COMPANY Waste Management
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE
NAME Tim Gulver PRINTED
ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701
DATE 01-29-01
*This document serves as a certificate of wastesstatus for the year 2001.

COMPANY/GENERATOR Weatherford International
ADDRESS 3000 W. County Rd., Hobbs, NM 88240 (Fishing and Rental, WIS)
GENERATING SITE 3000 W. County Rd., Hobbs, NM 88240
COUNTY Lea STATE New Mexico
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and buckets (both metal and plastic), oil absorbent, dried spent paint filters.
ESTIMATED VOLUME 20 cubic yards per year.
GENERATING PROCESS General clean up, maintenance, repair, replacement of
parts and fluids & painting of oilfield equipment.
REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics (cans, buckets) paint filters(dried), rags and gloves, absorbents, all rendered drained & dry.
NMOCD FACILITY CONTROLLED RECOVERY INC.
TRUCKING COMPANY_ Waste Management
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE NAME Tim Eulver
NAME Tim Gulver PRINTED
ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701
DATE01-29-01
*This document serves as a certificate of wastesstatus for the year 2001.

COMPANY/GENERATOR Weatherford International
ADDRESS 1848 Mercury Rd., Odessa, Texas 79763 (Mechanic Shop)
GENERATING SITE 1848 Mercury Rd., Odessa, Texas 79763
COUNTY Ector STATE Texas
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and buckets
(both metal and plastic), oil absorbent, dried spent paint filters. ESTIMATED VOLUME 12 cubic yards per year.
GENERATING PROCESS General clean up, maintenance, repair, replacement of
parts and fluids & painting of oilfield equipment.
REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics (cans, buckets) paint filters(dried), rags and gloves, absorbents, all rendered drained & dry.
NMOCD FACILITY CONTROLLED RECOVERY INC.
TRUCKING COMPANY Waste Management
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE
PRINTED
ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701
DATE 01-29-01
*This document serves as a certificate of wastesstatus for the year 2001.

COMPANY/GENER	ATOR Weatherford International
ADDRESS 1848 Me	rcury Rd., Odessa, Texas 79763 (Well Installation Services)
GENERATING SITE	1848 Mercury Road., Odessa, Texas 79763
	COUNTY Ector STATE Texas
TYPE OF WASTE	Oried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and (both metal and plastic), oil absorbent, dried spent paint filters.
ESTIMATED VOLUM	(both metal and plastic), oil absorbent, dried spent paint filters. ME i2 cubic yards per year.
GENERATING PRO	CESS General clean up, maintenance, repair, replacement of
parts and fluids&p	ainting of oilfield equipment.
REMARKS Waste i	s generally a mixture of non-biodegradeable metals, plastics (cans, bilters(dried), rags and gloves, absorbents, all rendered drained & d
NMOCD FACILITY	CONTROLLED RECOVERY INC.
TRUCKING COMPA	Y Waste Management
a non-exe (EPA) Ju will be an nature as or listed v and D, ha	dition of acceptance for disposal, I hearby certify that this waste is empt waste as defined by the Environmental Protection Agency's by 1988 Regulatory Determination. To my knowledge, this waste alyzed pursuant to the provisions of 40 CFR Part 261 to verify the non-hazardous. I further certify that to my knowledge "hazardous vaste" pursuant to the provisions of 40 CFR, Part 261, Subparts C is not been added or mixed with the waste so as to make the resultant "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE
•	NAME Tim Eulver PRINTED
	ADDRESS 400 W. Illinois Ave., Ste 1500
	Midland, Texas 79701
	DATE 01-29-01
*This document serv	es as a certificate of wastesstatus for the year 2001.

*विवक्ता*त्रत्वह

COMPANY/GENERATOR Weatherford International	·
ADDRESS 8872 W. Loop 338 N., Odessa, Texas 79764 (Pipe Plant)	
GENERATING SITE 8871 W. Loop 338 N., Odessa, Texas 79764	
COUNTY Ector STATE Texas	
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic (both metal and plastic), oil absorbent, dried spent	fluid cans and buckets
(both metal and plastic), oil absorbent, dried spent ESTIMATED VOLUME 12 cubic yards per year.	
GENERATING PROCESS General clean up, maintenance, repair, replace	ement of
parts and fluids & painting of oilfield equipment.	
REMARKS Waste is generally a mixture of non-biodegradeable metals, paint filters(dried), rags and gloves, absorbents, all renders.	plastics (cans, buckets) ered drained & dry.
NMOCD FACILITY CONTROLLED RECOVERY INC.	
TRUCKING COMPANY Waste Management	*************************************
As a condition of acceptance for disposal, I hearby certify that this was non-exempt waste as defined by the Environmental Protection Ag (EPA) July 1988 Regulatory Determination. To my knowledge, this will be analyzed pursuant to the provisions of 40 CFR Part 261 to venature as non-hazardous. I further certify that to my knowledge "has or listed waste" pursuant to the provisions of 40 CFR, Part 261, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Suit and D, has not been added or mixed with the waste so as to make the mixed waste.	ency's waste crify the zardous oparts C he resultant
NAME Tim Culver	
PRINTED	
ADDRESS 400 W. Illinois Ave., Ste 1500	
. Midland, Texas 79701	
*This document serves as a certificate of wastesstatus for the year 200	رو:
200 was constants for the year 200	π •

COMPANY/GENERATOR Weatherford International	• •
ADDRESS #1 Barnhart Highway, Ozona, Texas 76943 (Fishing and Rental)	÷
GENERATING SITE #1 Barhart Highway, Ozona, Texas 76943	
COUNTY Crockett STATE Texas	
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and (both metal and plastic), oil absorbent, dried spent paint filters	ıd-buckets
(both metal and plastic), oil absorbent, dried spent paint filters ESTIMATED VOLUME 12 cubic yards per year.	· · · · · · · · · · · · · · · · · · ·
GENERATING PROCESS General clean up, maintenance, repair, replacement of	
parts and fluids & painting of oilfield equipment.	
REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics (can paint filters(dried), rags and gloves, absorbents, all rendered drained	s,buckets)
NMOCD FACILITY CONTROLLED RECOVERY INC.	
TRUCKING COMPANY Waste Management	•
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE NAME Tim Eulver	
PRINTED	
ADDRESS 400 W. Illinois Ave., Ste 1500	
Midland, Texas 79701	
DATE 01-29-01	
*This document serves as a certificate of wastesstatus for the year 2004.	

COMPANY/GENERATOR Weatherford International
ADDRESS_ 8870 W. Loop 338 N., Odessa, Texas 79764 (Fishing and Rental)
GENERATING SITE 8870 W. Loop 338 N., Odessa, Texas 79764
COUNTY Ector STATE Texas
TYPE OF WASTE Dried rags, gloves, empty/crushed paint, oil, hydraulic fluid cans and bucket
(both metal and plastic), oil absorbent, dried spent paint filters. ESTIMATED VOLUME 20 cubic yards per year.
GENERATING PROCESS General clean up, maintenance, repair, replacement of
parts and fluids & painting of oilfield equipment.
REMARKS Waste is generally a mixture of non-blodegradeable metals, plastics (cans, buckets paint filters(dried), rags and gloves, absorbents, all rendered drained & dry.
NMOCD FACILITY CONTROLLED RECOVERY INC.
TRUCKING COMPANY Waste Management
As a condition of acceptance for disposal, I hearby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 2613. AGENT SIGNATURE NAME Tim Culver
PRINTED
ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701
DATE 01-29-01
*This document serves as a certificate of wastesstatus for the year 2001.









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DATA OLI	

UATA SHEET INFA

MATERIAL びよっ口 -

Address: Manufacturer: 1. PRODUCT IDENTIFICATION 1051 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-0607 WD-40 Company

Telephone: Emergency Only:

Chemical Name: Trade Name: Information: 1 (800) 424-9300 (CHEMTREC) (619) 275-1400 Organic Mixture WD-40 Aerosol

HAZARDOUS INGREDIENTS

(1

Chemical Name	CAS Number	*	A Expo	ACGINIOSHA
Aliphatic Petroleum Distillates	8052-41-3	50	100 ppm, PEL	PEL
A-70 Hydrocarbon Propellant	88476-85-7	25	1000 ppm PEL	n PEL
Petroleum Base Oil	84742-65-0	> 15	5 mg/N³	5 mg/M³ TWA (mist)
Non-hazardous ingredients		< 10		
III. PHYSICAL DATA				
Boiling Point:	N.A	Evaporation Rate:	on Rate:	Not determined
Vapor Density (air = 1):	Greater than 1	Vapor Pressure:	essure:	55±5 PSI @ 70°F
Solublity is Water	inespiration	Annogrance	ġ	Tight ambox

Specific

Topic advantage (all a 1).	C. Carron Country .	· · · · · · · · · · · · · · · · · · ·	C. C. C. C.
Solubility in Water:	Insoluble	Appearance:	Light amber
Specific Gravity (H ₂ 0 = 1):	710 @ 70°F	Odor:	Characteristic odd
Percent Volatile (volume):	90%		
IV. FIRE AND EXPLOSION	OX		
Flash Point:		NA to aerosol cans	
Flammable Lmits:		(propellant portion) [Lef] 1.8% [Uef] 8.5%	
Extinguishing Media:		CO ₂ , Dry Chemical, Foam	
Special Fire Fighting Procedures:	ures:	None	

Specia Exting Unusual Fire and Explosion Hazards:

EXTREMELY FLAMMABLE - U.F.C. level 3 agrospi

Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLV (ACGIH 100 ppm.)

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Symptoms of Overexposure

Threshold Limit Value

Skin Contact: Inhalation (Breathing): May cause anesthesia, headache, dizziness, nausea and upper respiratory irritation. May cause drying of skin and or irritation.

May cause irritation, tearing and redness.

First Aid Emergency Procedures ingestion (Swallowed): May cause irritation, nausea, vomiting and diarrhea.

Eye Contact:

Ingestion (Swallowed): Do not induce vomiting, seek medical attention.

Eye Contact: Skin Contact: Immediately flush eyes with large amounts of water for 15 minutes.

Inhalation (Breathing): Wash with soap and water.

Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give

DANGER Aspiration Hazard:

If swallowed can enter lungs and may cause chemical pneumonits. Do not induce vomiting. Call Physician

Suspected Cancer Agent

Z by NTP, IARC and OSHA. The companents in this mixture have been found to be noncarcinogenic

VI. REACTIVITY DATA

Conditions to avoid Hazardous polymerization: Hazardous decomposition products: incompatability: and/or carbon dioxide. Strong oxidizing materials Stable X Thermal decomposition may yield carbon monexide May occur_ Picterson الاتقا محصار

VII. SPILL OR LEAK PROCEDURES

Spill Response Procedures

has dissipated Spill unlikely from aerosol cans. Leeking cans should be placed in plastic beg or open pail until precsure

Waste Dispose) Method

Empty aerosol cans should not be punctured or incinerated; bury in land (ii), Liquid should be incinerated or buried in land (iii). Dispose of in accordance with local, state and tederal regulations.

VIII. SPECIAL HANDLING INFORMATION

Other Protective Equipment: Eye Protection: Respiratory Protection: Protective Gloves: Ventitation IX. SPECIAL PRECAUTIONS Sufficient to keep solvent vapor less than TLV. Advised when concentrations exceed TLV. None required. Approved eye protection to safeguard against potential eye contact. Advised to prevent possible skin initation irritation or injury.

Keep from sources of ignition. Avoid excessive inhelation of spray particles, do not take internally. Do not puncture, incrinerate or store container above 120°F. Exposure to heet may cause bursting. Keep from children

X. TRANSPORTATION DATA

Domestic Surface

Description: Hazard Class: Label Required: Domestic Air ē Zo: Description: Label Required: D No.: Hezard Class: Consumer Commodity (Flammable Gas-Aerosol products) ORIM-D NONE NONE Consumer Commodity ORM-D NONE
Consumer Commodity (ORM-D-AIR) Consumer Commodity (ORM-D)

XI. REGULATORY INFORMATION

SARA Title III chamicals: California Prop 65 chemicals: CERCLA reportable quantity: All ingredients for this product are listed on the TSCA inventory Z 05 0 None

RCRA hazardous waste None Door (Ignitable)

SIGNATURE: REVISION DATE: R. Miles October 1993

NDA = No data available

NA = Not applicable

TITLE:

SUPERSEDES: August 1992

echnical Director

> - More than

Less than

We believe the statestia, technical information and recommendations continued from the statestia, technical information and recommendations continued from the product and stateme less responsessibly both to determine safe conditions for use of this product and stateme less; durings or expense, direct or consequential, antiting from its uses. Before stating product, read libes.



MATERIAL SAFETY DATA SHEET



PRODUCT IDENTIFICATION

Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-0607

Telephone: Emergency Only:

1 (800) 424-9300 (CHEMTREC)

(619) 275-1400 Organic Mixture WD-40 Bulk Liquid

Chemical Name

Information:

Trade Name:

Manufacturer: WD-40 Company

II. HAZARDOUS INGREDIENTS			!
Chemical Name	CAS Number	\$	Exposure Limit
Aliphatic Perroleum Distillates	8052-41-3	8	100 ppm PEL
Petroleum Base Oil	64742-65-0	> 20	5 mg/M3 TWA (mist)
Non-hazardous ingredients		^ 10	,

III. PHYSICAL DATA

Percent Volatile (volume):	Specific Gravity (H ₂ 0=1):	Solubility in Wester:	Vapor Density (air = 1):	Boding Point:
74%	.800 @ 70°F	Insclubie	Greater than 1	300°F (minlæum)
\S	Oda:	Appearance:	Vapor Pressure:	Evaporation Pate:
568 grams per liter	Characteristic odor	Cloudy light amber	Not determined	Not determined

V. FIRE AND EXPLOSION

Unusual Fire and Explosion Hazards:	Special Fire Fighting Procedures:	Extinguishing Media:	Flammable Limits:	Flash Point:
None	None	CO ₂ , Dry Chemical, Foam	(salvent portion) [Let] 1.0% [Uet] 6.0%	Tag Open Cup 110°F (minimum)

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value

Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLY (ACGIH 100 ppm.)

Symptoms of Overexposure

Inhalation (Breathing): May cause anesthesia, headache, dizziness, nausea and upper respiratory initation.

Eye Contact: Skin Contact: May cause drying of skin and or untation. May cause irritation, tearing and redness.

Ingestion (Swallowed): May cause inflation, nausee, vomiting and diarrhea

First Aid Emergancy Procedures

ingustion (Swallowed): Do not induce vomiting, seek medical attention.

Wash with soap and water.

Eye Contact Immediately flush eyes with large amounts of water for 15 minutes

Inhelation (Breathing): Remove to fresh air. Give artificial respiration it necessary. If breathing is difficult, give

DANGER! Aspiration Hazard: If swallowed can enter lungs and may cause chemical pneumonitis. Do not induce vomiting. Call Physician immediately

Suspected Cancer Agent

Š

The components in this mature have been found to be noncardinogenic by NTP, IARC and OSHA.

VI. REACTIVITY DATA

Hazardous decomposition products: Conditions to avoid: Stability: Stable X Strong oxidizing materials

Thermal decomposition may yield carbon monoxide and/or carbon dioxide.

VII. SPILL OR LEAK PROCEDURES

Hazardous polymerization:

May occur_

Will not occur_

Spill Response Procedures

Waste Disposal Method Absorb small quantities with sand, earth, sawdust. Large quartities pump into lani

incinerate liquid, bury saturated absorbent in land fill Dispose of in accordance with local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Other Protective Equipment Protective Gloves: Ventilation: Respiratory Protection: None required. Sufficient to keep solvent vapor less than Approved eye protection to safeguard against potential eye contact Advised to prevent possible skin irritation. Advised when concentrations exceed TLV mutation or injury.

IX. SPECIAL PRECAUTIONS

Keep from open fleme, do not take internally. Avoid expessive inhalation of spray particles. Keep from children

X. TRANSPORTATION DATA

Description: Hazard Class: Label Required: Domestic Air Label Required: Packaging Group 5 2 2 3 Hazard Class: Description: Domeatic Surface Petroleum Distillates N.O.S. (Staddard Solvent)
3 UN 1268 POIN
Flammable Liquid NONE, for containers less than 100 Gallons UN 1268 Combustible Liquid Petroleum Distillates N.O.S

XI. REGULATORY INFORMATION

California Prop 65 chemicals: All ingredients for this product are listed on the TSCA inventory. SARA Title (II chemicals: 200 None

CERCLA reportable quantity:

RCRA hazardous waste no: None Doot (Ignitable)

SIGNATURE R. MINES REVISION DATE: October 1993 Willia 1171 SUPERSEDES: August 1992

Technical Directo

NA - Not applicable NDA - No data available < = Less than

> = More that 1

We believe the statements, technical latermation and recommendations contained herein are militable. However, the data is provided without warran, expressed or implied. It is the users responsibility both to determine safe conditions for use of this product and assume both, danable or expressed or implied. It is the users responsibility both to determine safe conditions for use of this product and assume both, danable or expression or consequential, assume from its use. Before using product, read both.

WD-40 Technical Data.

Physical Characteristics

APPEARANCE COLOR ODOR

SPECIFIC GRAVITY VISCOSITY

FLASH POINT (MINIMUM)
PERCENT NONVOLATILE (MINIMUM)

Clear or slightly cloudy Light amber Very elight characteristic pleasant odor

.800 ± .020 at 72° F. 27.5 ± 1.0 sec. Zahn #1 at 72° F.

110°F. TOC

22% by weight

PERCENT VOLATILE (MAXIMUM)

POUR POINT LOW TEMPERATURE STABILITY

COVERAGE BOILING POINT (INITIAL) WEIGHT, applied coating THICKNESS

OPERATING TEMPERATURE

78% by weight ailphatic petroleum distillate Less than -100° F

Excellent

600 to 1000 sq. ft. pergal. 300°F (minimum) 3.4 x 10°1bs./sq. ft. .0001 to .0003 inch -50°F to 300°F

Properties

CORROSION PROTECTION:
(on freshly sanded mild steel panels)

EXPOSURE Humidity (JAN-H-792) Salt Spray (FED STD 151) Salt Spray (FED STD 151) RESULTS
No rust after 1000 hours
No rust after 50 hours
Rust beginning after 100 hours

Under actual conditions the duration of protection obtained using WD-40 will vary with the type of material being protected and the conditions of exposure. Generally, on mild steel the protection under various conditions will be approximately as follows:

- 1. Covered or indoor storage 1 year or longer
- 2. Protected exterior storage 6 months to 1 year
- 3. Normal exterior exposure 30 to 60 days
- Severe exterior exposure 15 to 30 days (on or very near the beach, subject to high humidity, salt spray and salt fog) If longer protection is desired, WD-40 should be lightly reapplied when necessary.

LUBRICATION: Dynamic coefficient of friction

FARITION 114.	vi o ji wi ilo oocii ci	and a Manari
BEARING	AACCTIQUENT.	TENT
PRESSURE	COEFFICIENT	TEST
100 psi	0.112	Heat treated 4340 steel
1000 psi	0.114	with normal blue oxide
2000 psi	0.129	film against Itself Jubricated
3000 psi	0.138	with WD-40
4000 nei	0.145	

ELECTRICAL: Dielectric strength ASTM D-877 12,000 V. per 0.100 in.

Contact resistance ASTM B-182 modified

	BARE CONTACTS	TREATED CONTACTS	RESISTANCE OF FILM
before cycling	0.0066	0.0083 ohm	0.0017 ohm
after 5 cycles	0.0087	0.0085 ohm	0.0018 ohm
after 100 cycles	0.0069	0.0088 ohm	0.0017 ohm
after 1000 cycles	0.0074	0.0085 ohm	0.0011 ohm
after 20,000 cycles	E800.0	0.0098 ohm	0.0016 ohm

Effect on Materials

GENERAL: Nearly all materials react to WD-40 as they would to high grade alliphatic petroleum spirits with the same exposure, i.e., spray, quick dip or prolonged immersion. WD-40 contains no sillcone, tellon or chlorofluorocarbons.

RUBBER: No visible affects on surfaces of various types of rubber agrayed with WD-40. Certain types of rubber will swell upon prolonged Immersion in WD-40.

HIGH STRENGTH STEELS (for hydrogen embrittlement): Certified SAFE according to the Lawrence Hydrogen Effusion Test.

FABRICS: The following fabrics were exposed to WD-40 with no effect, except slight staining which was readily removed with naphtha or dry cleaning solvent: Nylon, Orlon, Wool, Dacron, Cotton

PAINTED SURFACES: Many types of paint on various surfaces have been exposed to WD-40 with no effect. Wax polishes and certain wax coatings may be softened by WD-40.

PLASTICS: The following plastics were immersed in WD-40 for 168 hours with no visible effects;

Polyethylene Polypropylene Formica

Epoxy

Delrin

Polypropylene Acrylic Vinyl Teffon Polyester Nylon

Teflon Polyester Nylon
Clear polycarbonate and polystyrene may stress craze or crack in contact with WD-40.

WD-40 and the Environment

WD-40 is a positive contributor to the preservation of the environment. Here are a few facts about WD-40 and the environment:

- WD-40 does not contain Chlorofluorocarbons (CFC's). HCFC's, Halon's or 1.1.1. Trichlorethane (Methyl Chloroform); chemicals that are alleged to contribute to the depletion of the stratospheric ozone layer.
- WD-40 contains no known cancer causing chemicals.
- Aerosol containers are sealed so their contents can't leak, spill or become contaminated.
- WD-40 carts contain recycled steel and when empty can be recycled again.
- WD-40 cans are shipped to our customers in recycled corrugated cartons.
- WD-40 Company uses recycled paper whenever possible in our advertising materials.
- In June, 1991, WD-40 replaced "styroloam peanuts" foam used for packaging with eco-foam made of 95% cornstarch.
- By extending the usage of equipment and postponing its disposal, we save natural resources and energy while reducing the generation of solid waste.

USDA APPROVED (H-2 Classification)

DANGER: COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Contains petroleum distillates. If swallowed, do not induce vorniting. Call physician immediately. Use in ventilated area. Keep from children.

WO-40 COMPANY, 1061 Cudahy Place, San Diego, California 92110 (619)275-1400 FAX (619) 275-5823

Pipe Dope

PRODUCT INFORMATION

ELG236 Eco LubeGard ENVIRONMENTALLY FRIENDLY TOOL JOINT AND DRILL COLLAR COMPOUND

Friction Factor:

1

Temperature Range: 0°F - >500°F (-17.78°C - >260°C)

ELG236 Eco LubeGard Compound, an environmentally friendly tool joint and drill collar compound, provides maximum protection to the drill string. ELG236 Eco LubeGard Compound is METAL and PTFE FREE. This noncomtaminating tool joint compound resists washout and hardening or drying out in the connection. ELG236 Eco LubeGard Compound helps prevent galling, seaizing, thread damage, and excessive wear, resulting in prolonged tool joint life. It enables ease of makeup and breakout of all joints and provides the required thread and shoulder protection under various operating conditions.

BENEFITS:

Environmentally friendly
Metal Free
PTFE free
Noncontaminating
Prevents galling and seizing
Prevents thread damage and excessive wear
Enables ease of makeup and breakout

FOR INDUSTRIAL USE ONLY

Distributed by:



WEATHERFORD
515 Post Oak / Houston, TX 77027 / USA
Phone: 713-693-4000

MATERIAL SAFETY
DATA SHEET

WEATHERFORD 515 Post Oak Blvd Houston, TX 77027 Emergency Telephone: CHEMTREC 1-800-424-9300 Local Telephoe Number: (713) 693-4000

ELG236

Eco LubeGard

age: 1

PRODUCT NAME:

ELG236 Lube Gard

CAS RUMBER:

Not Applicable

Date prepared:

05-25-98

CHEMICAL FAMILY

Tool Joint and Drill Collar Compound

Americal and the control of the cont

INGREDIENT

% (By Wt)

OSHA LIMIT

TLV

Graphite

10-18

Not Available

2.0mg/M³

Sales and the sales and the sales and

BOILING POINT

VAPOR PRESSURE

VAPOR DENSITY (ARM)

SPECIFIC GRAVITY (WATER+1)

. PERCENT VOLATILS

EVAPORATION RATE (BUACES)

Not Applicable

Not Applicable

Not Applicable

1.04

Not Applicable

Not Applicable

a zerelet (mit da a interiore a forma kaleit (mis dia interiore

FLASH POINT (ASTM D-82)

>400°F

FLAMMABLE LIMITS IS VOLUME IN AIR

Not Available

Lower:

Upper.

EXTRIGUISHING MEDIA:

Carbon dioxide, dry chemical, or foam

HAZARDOUS DECOMP. PRODUCTS:

Incomplete combustion can yield carbon monoxide, sulfur dioxide, and various hydrocarbons.

FIREFIGHTING PROCEDURES:

For fire fighting, use self-contained breathing apparatus with positive pressure.

May produce toxic fumes at temperatures above 930°F.

NFPA CODES:

Health: 1

Flammability: 1

Reactivity: 0

PERMESSIBLE EXPOSURE LEVEL:

THRESHOLD LIMIT VALUE:

EFFECTS OF ACUTE OVEREXPOSURE:

EYE9:

Possible Irritation with repeated or prolonged contact.

SKIM-

Possible inftation with repeated or prolonged contact. If injected under skin with high

pressure grease gun, necrosis could result.

BREATHING:

Not applicable

SWALLOWING:

Possible imitation, nausea, or diarrhea.

MATERIAL SAFETY
DATA SHEET

WEATHERFORD 515 Post Oak Blvd Houston, TX 77027 Emergency Telephone: CHEMTREC 1-800-424-9300 Local Telephoe Number: (713) 693-4000

MSDSWEATHERFORD/DOMESTIC/ELG236MS.WK4

ELG236

Eco LubeGard

Page: 2

FIRST AID:

IFON SKIN:

Wash thoroughly with soap and water prior to eating and smoking. If grease is injected under

the skin, get medical attention as soon as possible.

IF IN EYES:

Flush eyes with water for a minimum of 15 minutes. Get medical attention if irritation

develops.

IF SWALLOWED:

Do NOT induce vomiting. Get medical attention immediately.

F BREATHED:

Not applicable.

PRIMARY ROUTE(S) OF ENTRY:

Skin contact

•

ing verstras destitit o dioixi

KAZAKDOUS POLYMERIZATION:

Will not occur

Stable

INCOMPATIBILITY:

Do not store with strong oxidizers. Avoid exposure to extreme temperatures.

residentalmeren han den bestrafte errantieren errantieren bestraften bestraft

ecel I -

Pick up and place in container for disposal.

WASTE DESPOSAL

Utilize permitted hazardous industrial waste disposal site. Comply with environmental

METHOD:

regulations. Burning is NOT recommended.

RESPIRATORY PROTECTION:

None required under normal conditions of use.

VENTILATION:

Not applicable.

PROTECTIVE GLOVES:

For prolonged contact, use nitrile or neoprene gloves.

EYE PROTECTION:

If eye contact is probable, use safety glasses or chemical goggles.

SPECIAL PROTECTION:

Not applicable.

SERVICE I SERVICE I SE SE LA PRISONE MESSAGNI PER COMPANI.

Do not store with strong oxidizers.

Avoid exposure to extreme temperatures.

DISCLARMER: The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his perticular purpose and should comply with all environmental regulations. Our goal is to manufacture products with zero or minimum hazardous. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.

MSDSWEA

Tubing Pope

PRODUCT INFORMATION

ELS318 Eco Lube Seal™ THREAD COMPOUND FOR CASING, TUBING & LINE PIPE

Friction Factor:

1

Temperature Range: 0°F - >500°F (-17.78°C - >260°C)

ELS38 Eco LubeSeal Thread Compound is a NONMETALLIC, thread compound for casing, tubing and line pipe. This alternative thread compound offers two big advantages over other thread compounds—it is METAL FREE and it exceeds the requirements of API Recommended 5A3, Recommended Practice on Thread Compounds for Casing, Tubing and Line Pipe. ELS318 Eco LubeSeal provides excellent service characteristics in the areas of lubricity, sealing properties, makeup/breakout torque, and long term corrosion protection during periods of storage. It is high temperature and high pressure rated and contains corrosion and H₂S inhibitors to eliminate thread corrosion, pitting and to provide extended protection to tubular threads.

ELS318 Eco LubeSeal Thread Compound provides excellent results for pipe storage, downhole service, and hydrostatic testing. This triple servicing ability assures you of a safe, effective, and economical way to meet your thread compound needs.

BENEFITS:

Metal free
Nonhazardous
Environmentally acceptable
High temperature, high pressure rated
Exceeds specifications of API Bulletin 5A3
Long term corrosion protection during storage

FOR INDUSTRIAL USE ONLY

Distributed by:



WEATHERFORD

515 Post Oak Blvd. / Houston, TX 77027 / USA

Phone: 713-693-4000

MATERIAL SAFETY DATA SHEET WEATHERFORD 515 Post Oak Blvd Houston, TX 77027

Emergency Telephone: Local Telephone Number: (713) 693-4000

ELS318

Eco LubeSeal

Page: 1

PRODUCT NAME:

ELS 318 Eco LubeSeal

Not Applicable

Date prepared:

05-25-98

Same telle de Stale de la constale d

CHEMICAL FAMILY

Petroleum Grease with Additives

nere of the control o

INGREDIENT

% (By Wt)

OSHA LIMIT

TLV

Signos en project a second recent real

BOILING POINT

VAPOR PRESSURE

VAPOR DENSITY (AIR=1)

SPECIFIC GRAVITY (WATER=1)

PERCENT VOLATILS

EVAPORATION RATE (BUAC=1)

Not Applicable Not Applicable Not Applicable 1.2

Not Applicable Not Applicable

new of the contraction of the co

FLASH POINT (ASTM D-82)

Greater than 400°F

FLAMMABLE LIMITS % VOLUME IN AIR

Not Available

Lower:

Upper:

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, or foam

HAZARDOUS DECOMP, PRODUCTS:

Incomplete combustion can yield carbon monoxide, carbon dioxide, and various hydrocarbons.

FIREFIGHTING PROCEDURES:

For fire fighting, use self-contained breathing apparatus with positive pressure.

May emit toxic fumes at temperatures greater than 930°F

NFPA CODES:

Health: 1

Flammability: 1

Reactivity: 0

PERMISSIBLE EXPOSURE LEVEL:

THRESHOLD LIMIT VALUE

EFFECTS OF ACUTE OVEREXPOSURE:

EYE8:

Possible irritation with repeated or prolonged contact.

STOREST OF LEASE PROPERTY OF THE STOREST OF THE STO

SKIN:

Possible imitation with repeated or prolonged contact. If injected under the skin with high pressure

grease gun, necrosis could result.

BREATHING:

Not applicable

SWALLOWING:

Possible irritation with repeated or prolonged contact. Aspiration hazard.

MATERIAL SAFETY DATA SHEET WEATHERFORD 515 Post Oak Blvd Houston, TX 77027

Emergency Telephone: Local Telephone Number: (713) 693-4000

ELS318

Eco LubeSeal

Page: 2

FIRST AID:

Wash thoroughly with soap and water. If grease is injected under the skin, get medical

attention as soon as possible.

E IN EYES:

Flush eyes with water for a minimum of 15 minutes. Get medical attention if irritation

occurs.

IF SWALLOWED:

Do NOT Induce vomiting. Get medical attention.

IF BREATHED:

Not applicable.

PRIMARY ROUTE(S) OF ENTRY:

Skin contact

HAZKRIJOUS POLYMERIZATION:

STABUITY:

Will not occur Stable

INCOMPATIBILITY:

Do not store with strong oxidizers. Avoid exposure to extreme temperatures.

AT SERVICE CONTROL OF THE RESERVE OF THE PROPERTY OF THE PROPE

SPILL:

Pick up and place in container for disposal.

WASTE DISPOSAL

Dispose of in accordance with environmental regulations.

METHOD:

Burning is NOT recommended.

The state of the second of the

RESPIRATORY PROTECTION

Nane required under normal conditions of use.

VENTILATION:

Not applicable.

PROTECTIVE GLOVES:

For prolonged contact, use nitrile or neoprene gloves.

EYE PROTECTION:

If eye contact is probable, use safety glasses or chemical goggles.

SPECIAL PROTECTION:

Not applicable.

SECUCION DE SECUCION DE SECUCION DE LA COMPANION DE LA COMPANI

Do not store with strong oxidizers.

Avoid exposure to extreme temperatures.

DISCLAMER: The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all environmental regulations. Our goal is to manufacture products with zero or minimum hazardous. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.

The latest MSDS will be furnished with the shipment.

MSDSWEATHERFORD/DOMESTIC/EL6318MSD.WK4



Material Safety Data Sheet

CHEVRON DELO 400 Motor Oil SAE 30

CPS225003

Page 1 of 7

MORGAN FRANKS DBA 311 NORTH LYNN AVENUE LAMESA, TX 79331 Print Date: November 24, 1989 MATERIAL ORDERED FOR: 311 NORTH LYNN AVENUE LAMESA, TX 79331

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. Discard any previous edition of this MSDS.

Update viscosity.

1. PRODUCT IDENTIFICATION

CHEVRON DELO 400 Motor Oil SAB 30

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

CHEVRON PRODUCT NUMBER(S): CPS225003 PRODUCT INFORMATION: (800)582-3835

Revision Number: 13 Revision Date: 10/24/89 MSDS Number: 000223

NDA - No Data Available NA - Not Applicable

2. FIRST AID

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:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and vater. 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 swalloved, 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

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.

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

Revision Number: 13 Revision Date: 10/24/89 MSDS Number: 000223

NDA - No Data Available NA - Not Applicable

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) 428F (220C) Min.

AUTOIGNITION: NDA FLAMMABILITY: NA EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, 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, water vapor and may produce oxides of sulfur, nitrogen and phosphorous. Incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization vill not occur.

INCOMPATIBILITY:

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

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.

Revision Number: 13 Revision Date: 10/24/89 MSDS Number: 000223

NDA - No Data Available NA - Not Applicable

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in vater.

APPEARANCE: Dark brown liquid.

BOILING POINT: NA MELTING POINT: NA EVAPORATION: NA

SPECIFIC GRAVITY: 0.88 @ 15.6/15.6C

VAPOR PRESSURE: NA

PERCENT VOLATILE (VOLUME %): NA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 10.6 cst @ 100C (Min.)

8. SPILL RESPONSE AND DISPOSAL

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

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 Act Chemical Substances Inventory.

This substance is subject to the provisions of the Pennsylvania Worker and Community Right-to-Know Act. Specific chemical identities are trade secret under the provisions of 35 Pennsylvania Statute Section 7311.

Based upon information reviewed to date, this product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5mg/m3, the OSHA PEL is 5mg/m3.

The percent compositions are given to allow for the various ranges of

Revision Number: 13 Revision Date: 10/24/89 MSDS Number: 000223

NDA - No Data Available NA - Not Applicable

the components present in the whole product and may not equal 100%.

PERCENT/CAS# COMPONENT/REGULATORY LIKITS

CHEVRON DELO 400 Motor Oil SAE 30 100.0 %

CONTAINING

LUBRICATING BASE OIL 80.0 %

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.

ADDITIVES INCLUDING THE FOLLOWING < 20.0 %

ZINC ALKYL DITHIOPHOSPHATE 2.0 %

A toxic chemical subject to the reporting requirements of CAS68649423 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 and 40 CFR Part 372.

TLV - Threshold Limit Value PEL - Permissible Exposure Limit

STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity

- Reportable Quantity CPS - CUSA Product Code

CAS - Chemical Abstract Service Number - Chevron Chemical Company

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

Fire Hazard; NO

4. Sudden Release of Pressure Hazard; NO

Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ZINC ALKYL DITHIOPHOSPHATE

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=1ARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA-302.4
13=MN RTK	14=ACGIH TLV	15-ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL

Revision Date: 10/24/89 Revision Number: 13 HSDS Number: 000223 19=Chevron TLV

20=EPA Carcinogen

23=TSCA SECT 6 RULE

24=TSCA SECT 12 EXPORT

22=TSCA SECT 5 SNUR 25=TSCA SECT 8A CAIR

26=TSCA SECT 8D REPORT 27=TSCA SECT 8E

21=TSCA SECT 4

28=Canadian WHMIS

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

NDA.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

DERMAL TOXICITY:

NDA. The hazard evaluation was based on data from similar materials.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data from similar materials.

INGESTION:

NDA. The hazard evaluation was based on data from similar materials.

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:

This product contains zinc alkyl dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

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 require 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).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. See Chevron Material Safety Data Sheet No. 1793 for additional information on used motor oil.

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

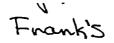
Revision Number: 13

Revision Date: 10/24/89

MSDS Number: 000223

NDA - No Data Available

NA - Not Applicable





CITGO Petroleum Corporation P. O. Box 3758 Tulsa, Oklahoma 74102

Material Safety Data Sheet

Generic Name:

CITGO Hydraulic Fluids SUS - 3

Date: August 10, 1998

Generic Code:

HF-003

THIS GENERIC MSDS REPRESENTS THE FOLLOWING CITGO PRODUCTS:

	Trade Name:	Commodity Code No.:	
	CITGO A/W 46 Dover	33-478	
	CITGO A/W Hydraulic Oil 46	33-420	
	CITGO A/W Hydraulic Oil 68	33-430	
	CITGO A/W Hydraulic Oil NZ 46	33-462	
	CITGO A/W Hydraulic Oil NZ 68	33-463	
÷	CITGO A/W - D Hydraulic Oil 46	33-482	
	CITGO A/W - D Hydraulic Oil 68	33-483	
	CITGO Pacemaker 46	33-002	Ų′.
	CITGO Pacemaker 68	33-003	
	CITGO Pacemaker T-46	33-720	
	CITGO Pacemaker T-68	33-730	
CAS No.:	Mixture	Technical Contact:	(918) 495-5933
Synonyms:	Lubricating Oil	Medical Emergency:	(918) 495-4700
CITGO Index No.:	1966	CHEMTREC Emergency:	(800) 424-9300

MATERIAL HAZARD EVALUATION

(Per OSHA Hazard Communication Standard [29 CFR 1910.1200])

Health Precautions:

WARNING: Oil injected into the skin from high pressure leaks in hydraulic systems can cause severe injury. Most damage occurs during the first few hours. Seek medical attention immediately. Surgical removal of oil may be necessary.

Protect exposed skin from repeated or prolonged exposure.

Safety Precautions:

The materials represented by this MSDS will burn when preheated but will not

ignite readily. Do not store material in open or unmarked containers.

HMIS Rating1

Health: 0

Flammability: 1

Reactivity: 0

¹Hazard Rating: least-0, slight-1, moderate-2, high-3, extreme-4.

CITGO assigned these values based upon an evaluation conducted pursuant to NPCA guidelines. Use of an asterisk (*) indicates that the material may present chronic health effects.

4.0 REACTIVITY DATA

Stability:

Conditions Contributing to Instability:

Incompatibility:

Hazardous Decomposition Products: (thermal, unless otherwise specified)

Hazardous Polymerization:

Stable.

None.

This product may react with strong oxidizers.

CO₂, CO, smoke, fumes, unburned hydrocarbons and trace oxides of phosphorous, nitrogen, sulfur and zinc.

Hazardous polymerization is not expected to occur.

5.0 SPILL, LEAK AND DISPOSAL PROCEDURES

Procedure if Material is Spilled:

- · Remove all ignition sources.
- Isolate the area of the spill and restrict access to persons wearing protective clothing.
- · Ventilate area of release, as necessary, to disperse vapors and mists.
- Small Spills: Absorb released material with non-combustible absorbent. Place into containers for later disposal. (See Waste Disposal section below.)
- Large Spills: Evacuate area in the event of significant spills. Evaluate exposure potential. Potential exposure may require the use of respiratory protection. Use protective clothing. Contain spill in temporary dikes to avoid product migration and to assist in recovery. Do not allow material to escape into sewers, ground water, drainage ditches or surface waters.
- · Administer appropriate first aid.
- Report releases as required to the appropriate federal, state and local authorities.

Waste Disposal:

- It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal.
- Determine compliance status with all applicable requirements prior to disposal.
- Contact the RCRA/Superfund Hotline at (800) 424-9346 or your regional US EPA office for guidance concerning case specific disposal issues.

Protective Measures During Repair and Maintenance of Contaminated Equipment:

- Refer to Section 7.0 Special Protection Information.
- Drain and purge equipment, as necessary, to remove material residues.
- Use gloves constructed of impervious materials such as heavy nitrile rubber and protective work clothing if direct contact is anticipated.
- · Eliminate heat and ignition sources.
- Do not allow oil to be injected into the skin from high pressure leaks in hydraulic systems.
- Wash exposed skin thoroughly with soap and water.
- Remove contaminated clothing. Launder before reuse.
- · Keep unnecessary persons from hazard area.

6.0 HEALTH HAZARD DATA

Health Hazard Classification (Per 29 CFR 1910.1200):

Highly Toxic	No	Sensitizer	No
Toxic	No	Reproductive Effects	. No
Corrosive	No	Mutagen	No
Irritant	No	Target Organ	No

NA-Not Applicable

ND-No Data

NE-Not Established

CITGO Hydraulic Fluids SUS-3 (HF-003, August 10, 1998, CIN: 1966)

Page 3 of 7

6.0 HEALTH HAZARD JATA (continued)

Notes to Physician:

The viscosity range of the products represented by this MSDS is between 200 to 399 SUS at 100° F. Upon ingestion, there is a slight risk of aspiration into the lungs. For ingestion of large quantities, careful gastric lavage or emesis may be considered for evacuation of the material. Subcutaneous or intramuscular injection requires prompt surgical debridement.

7.0 SPECIAL PROTECTION INFORMATION

Ventilation Requirements:

Use in well ventilated area. In confined space, mechanical ventilation may be required to keep levels of certain components below applicable workplace exposure levels as evaluated by designated and properly trained personnel.

Applicable Workplace Exposure Levels:

Chemical Component	ACGIH TLV TWA ppm (mg/M³)	ACGIH TLV STEL/ Ceiling (C) ppm (mg/M³)	ACGIH TLV Skin notation?	OSHA PEL TWA ppm (mg/ M³)	OSHA PEL STEL/ Ceiling (C) ppm (mg/M³)	OSHA PEL Skin notation?
Oil Mist, Mineral	(5)	(10)	No	(5)	NE	No

Specific Personal Protective Equipment:

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.

Respirator:

At elevated temperatures or in enclosed areas, vapor or mist concentrations may exceed applicable workplace exposure levels. Use a NIOSH or MSHA approved organic vapor/mist chemical cartridge respirator when elevated airborne concentrations are anticipated.

Eyes:

Use safety glasses. Use chemical splash goggles if splashing is anticipated.

Dermal:

Use gloves constructed of impervious materials such as heavy nitrile rubber if frequent

or prolonged contact is expected.

Clothing or

Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder

Equipment:

contaminated work clothes before reuse.

8.0 TRANSPORTATION AND SPECIAL PRECAUTIONS

Storage:

Store in a cool dry well ventilated area. Do not apply heat or flame to container. Keep

separate from strong oxidizing agents.

Caution:

Misuse of empty containers can be hazardous. Empty containers can be dangerous if use to store toxic, flammable or reactive materials. Cutting or welding of empty containers can cause fire, explosion or release of toxic fumes from residues. Do not pressurize or expose empty containers to open flame or heat. Keep container closed and drum bungs in place. All label warning and precautions must be observed. Return empty drum to a qualified reconditioner. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

NA-Not Applicable

ND-No Data

NE-Not Established

CITGO Hydraulic Fluids SUS-3 (HF-003, August 10, 1998, CIN: 1966)

Page 5 of 7

Date Issued: 1997-02-04 Supersedes:

845/20

Frank's Geor Oil

1996-12-19

TEXACO MATE. AL SAFETY DATA SHEET

NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HAUDline GERNOIL 85W-140 MATERIAL IDENTITY

Product Code and Name:

02273 TEXACO REFORTIFICATION ADDITIVE 14301 Chemical Name and/or Family or Description: Additive

Manufacturer's Name and Address: TEXACO LUBRICANTS COMPANY P.O. Box 4427 Houston, TX 77210-4427

Telephone Numbers:

Transportation Emergency-Company : (914) 831-3400

CHEMTREC (USA): (800) 424-9300

In Canada: (800) 567-7455

: (914) 831-3400 -Company Health Emergency General MSDS Assistance : (914) 838-7204 Texaco FaxBack System : (713) 432-3383

: (914) 838-7336 -Fuels Technical Information -Lubricant/: (800) 782-7852(Option 4)

Antifreezes/Fuel Additives -Solvents/Chemicals : (800) 876-3738

2. COMPOSITION/INFORMATION ON INGREDIENTS

THE CRITERIA FOR LISTING COMPONENTS IN THE COMPOSITION SECTION IS AS FOLLOWS: CARCINOGENS ARE LISTED WHEN PRESENT AT O.1 % OR GREATER; COMPONENTS WHICH ARE OTHERWISE HAZARDOUS ACCORDING TO OSHA ARE LISTED WHEN PRESENT AT 1.0 % OR GREATER; NON-HAZARDOUS COMPONENTS ARE LISTED AT 3.0 % OR GREATER. THIS IS NOT INTENDED TO BE A COMPLETE COMPOSITIONAL DISCLOSURE. REFER TO SECTION 14 FOR APPLICABLE STATES' RIGHT TO KNOW AND OTHER REGULATORY INFORMATION.

Product and/or Component(s) Carcinogenic According to:

IARC NTP OTHER NONE OSHA

Composition: (Sequence Number and Chemical Name)

Range in % Seq. Chemical Name CAS Number

O1 # Solvent-dewaxed heavy paraffinic petroleum 64742-65-0 50.00-64.99

distillates Olefin Sulfide 35,00-49,99

PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200).

COMPONENT, BY DEFINITION, IS CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST.

Exposure Limits referenced by Sequence Number in the Composition Section

Seq. Limit

mg/m3 TWA-OSHA (MINERAL OIL MIST) 01 5

mg/m3 TWA-ACGIH (MINERAL OIL MIST) 01

mg/m3 STEL ACGIH (MINERAL OIL MIST)

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Pale liquid

Odor:

Additive odor

WARNING STATEMENT

CAUTION I CONTAINS OR MAY RELEASE HYDROGEN SULFIDE GAS WHEN HEATED

PAGE: N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED - GREATER THAN - LESS THAN

NAME: TEXACO REFORTIFICATION ADDITIVE 14301

uate Issued: 1887-02-04 Supersedes: 1996-12-19

A TAN

4. FIRST AID MEASURES (CONT)

Inhalation:

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Other Instructions:

The odor of hydrogen sulfide (H2S) gas is offensive and similar to rotten eggs. H2S gas deadens the sense of smell, even at low concentrations. DO NOT depend on odor to detect presence of gas.

5. FIRE-FIGHTING MEASURES

Ignition Temperature - AIT (degrees F):

Not determined.

Flash Point (degrees F):

334 (COC)

Flammable Limits (%):

Lower: Not determined. Upper: Not determined.

Recommended Fire Extinguishing Agents And Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

Unusual or Explosive Hazards:

Hydrogen sulfide (H2S) may be released when heated.

Special Protective Equipment for Firefighters:

Wear full protective clothing and positive pressure breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:

Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE

Precautions to be Taken in

Handling:

Minimum feasible handling temperatures should be maintained.

Storage:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment (Type)

Eye/Face Protection:

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

PAGE: 3

N.T. - NOT TESTED

Supersedes: 1996-12-19 NAME: TEXACO REFORTIFICATION ADDITIVE 14301 11. TOXICOLOGICAL INFORMATION Irritation Index, Estimation of Irritation (Species) Skin: (Draize) Believed to be > .50 - 3.00 /8.0 (rabbit) slightly irritating Eves: (Draize) Believed to be < .50 /110 (rabbit) no appreciable effect Sensitization: Not determined. Other: None 12. DISPOSAL CONSIDERATIONS Waste Disposal Methods This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. Remarks None 13. TRANSPORT INFORMATION Transportation DOT: Proper Shipping Name: Not regulated IMDG: Proper Shipping Name: Not evaluated ICAO: Proper Shipping Name: Not evaluated Proper Shipping Name: Not evaluated 14. REGULATORY INFORMATION Federal Regulations: SARA Title III: Section 302/304 Extremely Hazardous Substances Seq. Chemical Name CAS Number Range in % Section 302/304 Extremely Hazardous Substances (CONT) Seq. TPQ RQ None Section 311 Hazardous Categorization: Acute Chronic Fire Pressure Reactive N/A <u>X</u> Section 313 Toxic Chemical Chemical Name CAS Number Concentration CERCLA 102(a)/DOT Hazardous Substances: (+ indicates DOT Hazardous Substance) Seq. Chemical Name CAS Number None CERCLA/DOT Hazardous Substances (Sequence Numbers and RQ's): Seq. RQ None PAGE: 5 N.D. - NOT DETERMINED N.A. - NOT APPLICABLE

- GREATER THAN

- LESS THAN

N.T. - NOT TESTED

PRODUCT CODE: 022/3
NAME: TEXACO REFORTIFICATION ADDITIVE 14301

Date Issued: 1997-02-04 Supersedes: 1996-12-19



16. OTHER INFORMATION (CONT)

GOVERNMENT AGENCY. TEXACO DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

Date: 1997-02-04 New Revised, Supersedes: 1996-12-19

Date printed: 1997-10-31

Inquiries regarding MSDS should be directed to: Texaco Inc. Manager, Product Safety P.O. Box 509

Beacon, N.Y. 12508

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL

NAME: TEXACO REFORTIFICATION ADDITIVE 14301

Supersedes: 1996-12-19

17. PRODUCT LABEL (CONT)

Label Date: 1 -02-04

Manufacturer's Name and Address: TEXACO LUBRICANTS COMPANY P.O. Box 4427 Houston, TX 77210-4427

TRANSPORTATION EMERGENCY Company: CHEMTREC:

(914) 831-3400 (800) 424-9300

HEALTH EMERGENCY

Company:

(914) 831-3400

COMPLIES:WI

MATERIAL SAFETY DATA SHEET

JSHA'S HAZARD COMMUNICATION STANDARD (2. JFR 1910,1200)

SECTION I · PRODUCT IDENTIFICATION

Product Name: DRY MOLY LUBRICANT

Product Number: 955

Product Type: AEROSOL Supplier's Name: Terand Industries, Inc.

Supplier's Address: P.O. Box 9947, FL Lauderdale, FL 33310 D.O.T. Hazard Class: CONSUMER COMMODITY · ORM-D

Formula: Propnetary Date Prepared: 08/24/95

Emergency Phone: (800) 255-3924 Information Phone: (305) 974-5440

HMIS Rating (Based on Aerosol Conc.); 0-Minimal 1- Slight 2- Moderate

3- Senous 4- Extreme

HEALTH: 2 FIRE: 3 REACTIVITY: 0

Personal Protection: 5

SECTION II. INCREDIENTS

CHEMICAL NAME CAS # %WT 313/Chem Skin					Carcinogen	PEL	TWA/TLV
Methylene Chloride Petroleum Distillate	75-09-2 64742-89-8	40-60 05-10	YES	МО МО	YES NO	50 ppm 400 ppm	50 ppm 400 ppm
Liquified Petroleum Gas	68476-85-7	20-40	МО	МО	NO .	1000 ppm	1000 ppm

SECTION III · PHYSICAL DATA

Data Below Based On Aerosol Concentrate Only:

Boiling Point ~ 92° F

pH: N/A

Solubility In Water. Negligible

Appearance/Odor: Dark Gray Viscous Liquid, Solvent Odor

Data Below Based On Total Contents: Vapor Pressure of can (psig @70°F): 62

Total VOC %: ~ 35%

Vapor Density(Air=1); >1

Specific Gravity (H2O=1)@75°F: 1.195

SECTION IV . FIRE AND EXPLOSION DATA

Flash Point (of Concentrate Only): 80°F . Extinguishing Media: Foam, CO2 Dry Media Flammability (as per USA Flame Projection Test): Extremely Flammable Spray

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent aucturing. Unusual Fire and Explosion Hazards: Exposure to temperature above 120° F may cause bursting.

SECTION V · REACTIVITY DATA

Stability: Material Stable.

Hazardous Polymerization: Will not Occur.

Incompatibility: Avoid contact with strong exidizing agents.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

SECTION VI · STORAGE AND HANDLING

KEEP OUT OF REACH OF CHILDREN.

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

NFPA Code 30B Rating: Level 3 Aerosol.

SECTION VII · HEALTH AND FIRST AID

PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:

Eyes: May cause slight imitation but does not injure eye tissue.

Skin: Frequent or prolonged contact may cause imitation.

Inhalation: Inhalation of mist can cause imitation of nasal and respiratory passages. Abusive or excessive inhalation may cause imitation to the upper respiratory tract. dizziness, nausea and other central nervous system effects.

Ingestion: Can cause gastrointestinal imitation, nausea, vomiting and diamhea. Aspiration of material into the lungs can cause chemical pneumonitis.

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If imitation persists get medical attention immediately.

Skin: Wash with soap and water. If imitation persists seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

SECTION VIII · SPECIAL PROTECTION DATA

Respiratory Protection: None needed for proper use in accordance with label directions.

Ventilation: Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.

Protective Gloves: None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

Eye Protection: None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggies.

SECTION IX · SPILL OR LEAK PROTECTION

STEPS TO BE TAKE IN CASE OF SPILL OR LEAK: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorpent material and sweep up. Wash area to prevent slipping. Dispose of scarce accordent material in accordance with Federal, State and local laws.

WASTE DISPOSAL METHOD: Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

NIA= NOT APPLICABLE . NIE=NOT ESTABLISHED . NID=NOT DETERMINED . <=LESS THAN . >=MORE THAN

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive not billy adequate in every circumstances. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.



BOP- Grease Tubo Grease

Page: 1 MATERIAL SAFETY DATA SHEET (M S D S) Print For Oils, Greases and Related Lubricating Materials MATERIAL SAFETY DATA SHEET (M S D S) Printed: 10/07/98 Revised : 01/03/96 SECTION I - PRODUCT IDENTIFICATION Manufacturer: CITGO PETROLEUM CORPORATION
P.O. BOX 26868
915 M.L. KING BLVD.
OKLAHOMA CITY
OK 73126

Information Phone: 405-270-6200
Emergency Phone: 800-424-9300
CHEMTREC Phone: 800-424-9300 Irade Name : MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2 Product Class: GREASE ! Hazard Ratings: Health - 1 ! none -> extreme Fire - 1 ! 0 ---> 4 Reactivity - 0 Product Code : 5438B-001 I.A.S. Number: COMPLEX MIXTURE ! HMIS Personal Protection - B SECTION II - HAZARDOUS INGREDIENTS Weight --- Exposure Limits mm HG ACGIH/TLV OSHA/PEL mm HG CAS # ngredients PETROLEUM HYDROCARBON 64742-52-5 50-75 5 mg/M3 5 STEL= 10 10 mg/M3N/AV THIS PETROLEUM HYDROCARBON WITH THE SAME CAS NUMBER MAY APPEAR REPEATEDLY IN SECTION II IF OBTAINED FROM MORE THAN ONE SOURCE.
UM STEARATE SOAP 7620-77-1 5-20 Undetermined N/AV LITHIUM STEARATE SOAP STEL= NONE NONE 1-5 Undetermined ITHIUM CARBOXYLATE SOAP PROPRIETARY STEL= NONE 5-20 5 mg/M3 5 mg/M30 STEL= 10 10 PETROLEUM HYDROCARBON 64742-62-7 THIS PETROLEUM HYDROCARBON MAY ALSO BE REPRESENTED BY CAS NUMBERS 64741-88-4 OR 64742-01-4 DEPENDING ON CURRENT SUPPLIER. PROPRIETARY ADD: 5192 PROPRIETARY 1-5 Undetermined PETROLEUM HYDROCARBON 64742-53-6 5-20 5 mg/M3 5 N/AV mg/M30 STEL= 10 THIS PETROLEUM HYDROCARBON MAY ALSO CONTAIN CAS# 64742-52-5. PROPRIETARY ADD: 5101 PROPRIETARY 1-5 Undetermined N/AV STEL= NONE NONE DRGANICZINC ADD:5189 PROPRIETARY 1-5 Undetermined ORGANIC ZINC ADDITIVE 5189 CONTAINS 50% ORGANOMETALLIC ZINC COMPOUND WHICH IS REPORTABLE UNDER SARA SECTION 313. 1-5 400 ppm PROPRIETARY 400 ppm N/AV PROPRIETARY ADD:5168 STEL= 500 500 PROPRIETARY ADDITIVE 5168 CONTAINS FROM 40 TO 49.9% OLEFIN SULFIDE, FROM 0.5 TO 1.5% LONG CHAIN ALKENYL IMIDAZOLINE, FROM 0.5 TO 1.5% SUBSTITUTED THIADIAZOLE, FROM 0.5 TO 1.5 ALKYL SULFIDE, AND FROM 0.1 TO 0.9 PERCENT ISOPROPLYL ALCOHOL WHICH HAS THE PEL/TLV AND STEL LISTED IN SECTION II FOR THIS INGREDIENT. ** ALL Ingredients in this product are listed in the T.S.C.A. Inventory. SARA 311/312 CATEGORY - HEALTH HAZARD IMMEDIATE. SARA 313 - CONTAINS ORGANOMETALLIC ZINC COMPOUND; SEE SECTION II FOR DETAILS.

(cont.)

CITGO PETROLEUM CORPORATION Page:

M S D S for: MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2

SECTION II - HAZARDOUS INGREDIENTS (cont.)

-OTHER PRECAUTIONS: (cont.)

INGREDIENTS ARE PROPRIETARY. POTENTIAL HAZARDS HAVE BEEN EVALUATED AND PERTINENT INFORMATION HAS BEEN INCLUDED IN SECTIONS III-IX. EACH PROPRIETARY MATERIAL IS EITHER: 1. HELD A TRADE SECRET FROM CATO, 2. OSHA-NON-HAZARDOUS OR BELOW 1% IF OSHA HAZARDOUS AND 3. BELOW 0.1% IF POTENTIALLY CARCINOGENIC.

* -> These items are listed on the SARA TITLE III Section 313 inventory

SECTION III - PHYSICAL DATA

30iling Range: N/A Deg. F

Evap. Rate: Slower than n-Butyl Acetate
Vapor Density: Heavier than Air.
Liquid Density: Lighter than Water.
Wgt per gallon: 7.72 Pounds.

Spec. Gravity: 0.93

Appearance: RED GREASE

V.O.C.: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1 Flash Point: N/A

LEL: N/AV

·EXTINGUISHING MEDIA:

CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

PECIAL FIREFIGHTING PROCEDURES:

WATER STREAM MAY SPREAD FIRE, USE WATER SPRAY ONLY TO COOL CONTAINERS NOT ON FIRE.

·UNUSUAL FIRE & EXPLOSION HAZARDS:

WILL NOT FLASH SPONTANEOUSLY. MAY IGNITE IF EXPOSED TO OPEN FLAME.

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

TWA = 5 MG/M3; STEL = 10 MG/M3--AS OIL MIST--RESPIRATORY IRRITANT. SEE SECTION II FOR CONCISE INFORMATION CONCERNING INGREDIENTS HAVING A PEL.

EFFECTS OF OVEREXPOSURE:

INHALATION: NOT EXPECTED TO BE ACUTELY TOXIC BY INHALATION IF THE RECOMMENDED EXPOSURE LIMITS ARE NOT EXCEEDED. BREATHING PETROLEUM OIL MIST AT CONCENTRATIONS IN AIR THAT EXCEED THE RECOMMENDED EXPOSURE STANDARD CAN CAUSE RESPIRATORY IRRITATION OR DISCOMFORT. LIKEWISE, BREATHING ZINC VAPORS MAY BE HARMFUL.

SKIN: MAY CAUSE SKIN IRRITATION BASED ON DATA FROM COMPONENTS. PRIMARY HAZARD ASSOCIATED WITH GREASE IN HIGH PRESSURE GUN. IF INJECTED UNDER SKIN, NECROSIS COULD RESULT.

EYES: MAY CAUSE EYE IRRITATION BASED ON DATA FROM COMPONENTS.

SWALLOWING/INGESTION: MAY CAUSE IRRITATION, NAUSEA OR DIARRHEA. POSSIBLE ASPIRATION HAZARD. (cont.)

CITGO PETROLEUM CORPORATION Page: M S D S for: MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2

SECTION V - HEALTH HAZARD DATA (cont.)

-EFFECTS OF OVEREXPOSURE: (cont.)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN, BUT MAY AGGRAVATE PREVIOUSLY EXISTING EYE/SKIN DISORDERS. LISTED AS A POTENTIAL CARCINOGEN OR CARCINOGEN? NOT LISTED BY IARC, NTP, OR OSHA.
BASED ON PROPRIETARY ADD:5101 AT TEMPERATURES ABOVE 554'F
FUMES IRRITATING TO THE EYES, NOSE AND THROAT MAY BE PRODUCED
FROM THIS PRODUCT; THIS EXPOSURE MAY RESULT IN REDDENING, TEARING, AND ITCHING OF THE EYES, AND SORENESS IN THE NOSE AND THROAT TOGETHER WITH COUGHING. FURTHER, IF THIS PRODUCT WERE REDUCED TO A DUST, EYE CONTACT WITH THE DUST MAY CAUSE MECHANICAL IRRITATION BASED ON DATA FROM PROPRIETARY ADD:5101. BASED ON THE FOREGOING INFORMATION TAKEN FROM PROPRIETARY ADDITIVE 5101, AVOID BREATHING DUST THAT MAY FORM FROM THIS PRODUCT AND AVOID CONTACT OF THIS PRODUCT WITH THE EYES. BASED ON DATA FROM ORGANIC ZINC ADDITIVE 5189, THIS PRODUCT MAY CAUSE EYE OR SKIN IRRITATION; - (THIS ADDITIVE IS STATED BY ITS MANUFACTURE AS NOT CLASSIFIED AS AN IRRITANT UNDER

IF PRODUCT CONTAINS 80% OR MORE PROPRIETARY ADDITIVE 5168 THEN IT MAY CAUSE SKIN IRRITATION OR ALLERGIC SKIN REACTION.

-FIRST AID:

INHALATION: IF RESPIRATORY DISCOMFORT OR IRRITATION OCCURS, MOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY.

SKIN: WASH EXPOSED PORTION WITH SOAP AND WATER. LAUNDER SOILED CLOTHES BEFORE REUSE. IF INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION IMMEDIATELY.

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR A MINIMUM OF 15 MINUTES OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SWALLOWING/INGESTION: DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN.

SECTION VI - REACTIVITY DATA

TABILITY: [] Unstable [x] Stable
AZARDOUS POLYMERIZATION: [] May occur [x] Will not occur

INCOMPATIBILITY

STRONG OXIDIZERS.

CONDITIONS TO AVOID:

AVOID CONDITIONS THAT COULD GENERATE AN OIL MIST. DO NOT EXPOSE THE PRODUCT TO STRONG OXIDIZERS OR EXCESSIVE HEAT.

Page: 4

CITGO PETROLEUM CORPORATION

M S D S for: MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2

SECTION VI - REACTIVITY DATA (cont.)

-HAZARDOUS DECOMPOSITION PRODUCTS:

INCOMPLETE COMBUSTION CAN YIELD CARBON (SMOKE), CARBON MONOXIDE, VARIOUS HYDROCARBONS AND OXIDE OF ZINC.
OTHER TOXIC GASES, VAPORS OR SOLID RESIDUES MAY EVOLVE ON BURNING.

BASED ON PROPRIETARY ADDITIVE 5168, THERMAL DECOMPOSITION MAY YIELD SMOKE, ALDEHYDES, AND OTHER PRODUCTS OF INCOMPLETE COMBUSTION. FREE AROMATIC AMINES MAY BE LIBERATED IN REDUCING ATMOSPHERE. UNDER COMBUSTION CONDITIONS OXIDES OF THE FOLLOWING ELEMENTS WILL BE FORMED: NITROGEN, PHOSPHORUS AND SULFUR. ALSO BASED ON PROPRIETARY ADDITIVE 5168 HYDROGEN SULFIDE, OTHER SULFIDES AND ALKYL MERCAPTANS MAY BE FORMED ON THERMAL DECOMPOSOTION.

SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED PICK UP AND PLACE IN CONTAINER FOR DISPOSAL.

-WASTE DISPOSAL METHOD:

EPA HAZARDOUS WASTE? NO, UNLESS OTHERWISE INDICATED. READ FURTHER IN THIS SECTION TO DETERMINE IF OTHER ITEMS NEED TO BE CONSIDERED WHICH MAY AFFECT ALL INFORMATION IN THIS SECTION. EPA HAZARDOUS WASTE CODE NUMBER-N/A, UNLESS OTHERWISE INDICATED ELSEWHERE IN THIS SECTION. EPA WASTE CHARACTERISTIC OR HAZARD CODE--N/A, UNLESS OTHERWISE INDICATED ELSEWHERE IN THIS SECTION.

UTILIZE LICENSED WASTE DISPOSAL COMPANY. CONSIDER RECYCLING OR CONTROLLED INCINERATION. UTILIZE PERMITTED INDUSTRIAL WASTE DISPOSAL SITE. FOLLOW ALL LOCAL, STATE AND FEDERAL GUIDELINES.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION:

UP TO 25 MG/M3, HALF-MASK ORGANIC VAPOR RESPIRATOR. UP TO 50 MG/M3, FULL-FACE ORGANIC VAPOR RESPIRATOR OR FULL-FACE SELF-CONTAINED RESPIRATOR. GREATER THAN 50 MG/M3, FIRE FIGHTING OR UNKNOWN CONCENTRATION, USE SELF-CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE.

VENTILATION:

MAINTAIN LOCAL OR DILUTION VENTILATION TO KEEP AIR CONCENTRATION BELOW PEL/TLV. REQUEST ASSISTANCE OF SAFETY AND INDUSTRIAL HYGIENE PERSONNEL TO DETERMINE AIR CONCENTRATION.

PROTECTIVE GLOVES:

FOR PROLONGED CONTACT OR REPEATED CONTACT, USE NITRILE, NEOPRENE GLOVES OR OTHER MATERIAL RESISTANT TO PETROLEUM OILS.

BASED ON ORGANIC ZINC ADDITIVE 5189, OIL RESISTANT GLOVES ARE RECOMMENDED WHEN USING THIS PRODUCT.

Page: 5 CITGO PETROLEUM CORPORATION M S D S for: MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2

SECTION VIII - SPECIAL PROTECTION INFORMATION: (cont.)

()

-EYE PROTECTION:

SAFETY GLASSES, CHEMICAL GOGGLES OR FACE SHIELD AS APPROPRIATE FOR EXPOSURE.

BASED ON ORGANIC ZINC ADDITIVE 5189, GOGGLES RECOMMENDED WHEN USING THIS PRODUCT.

-OTHER PROTECTIVE EQUIPMENT: NONE NORMALLY REQUIRED.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE CLEAN, DRY, BELOW 120'F (50'C) TO PRESERVE FOR INTENDED USE. DO NOT STORE WITH STRONG OXIDIZERS.

AVOID BREATHING OIL MISTS OR OTHER VAPORS. AVOID CONTACT WITH SKIN AND EYES. USE WITH ADEQUATE VENTILATION.

-OTHER PRECAUTIONS:

DOT HAZARDOUS MATERIAL? NO DOT SHIPPING NAME AND NUMBER - NOT APPLICABLE DOT HAZARD CLASS - NOT APPLICABLE

RECOMMENDED CUSTOMER WARNING
WARNING: CONTAINS PETROLEUM HYDROCARBON LUBRICANT AND ORGANIC
ZINC COMPOUND. MAY CAUSE EYE OR SKIN IRRITATION. IN
CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH WATER FOR A
MINIMUM OF 15 MINUTES, OCCASIONALLY LIFTING THE LOWER AND
UPPER LIDS. IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL
ATTENTION. WASH SKIN WITH SOAP AND WATER. MAY BE HARMFUL
IF INHALED OR SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION.
IF INGESTED, DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN

KEEP AWAY FROM CHILDREN.

RECOMMENDED OSHA WARNING

WARNING: CONTAINS PETROLEUM HYDROCARBON LUBRICANT AND ORGANOMETALLIC ZINC. MAY CAUSE EYE OR SKIN IRRITATION. MAY BE HARMFUL IF INHALED OR SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION.

FIRST AID: EYE CONTACT - FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. SKIN CONTACT - WASH EXPOSED PORTIONS WITH SOAP AND WATER. INHALATION - REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY. INGESTION - DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN.

CAUTION: EMPTY DRUMS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE THIS CONTAINER TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. DO NOT ATTEMPT TO CLEAN. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER.

KEEP AWAY FROM CHILDREN.

(cont.)

CITGO PETROLEUM CORPORATION Page: M S D S for: MYSTIK JT-6 HI-TEMP MULTI-PURPOSE GREASE NO. 2

SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)

REFER TO THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL

INFORMATION.

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS PUBLICATION HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST CURRENT OPINION ON THE SUBJECT AT THE TIME OF PUBLICATION. SINCE WE CANNOT ANTICIPATE OR CONTROL THE MANY DIFFERENT CONDITIONS UNDER WHICH THIS INFORMATION OR OUR PRODUCTS MAY BE USED, WE MAKE NO GUARANTEE THAT THE RECOMMENDATIONS WILL BE ADEQUATE FOR ALL INDIVIDUALS OR SITUATIONS. EACH USER OF THE PRODUCT DESCRIBED HEREIN SHOULD DETERMINE THE SUITABILITY OF THE DESCRIBED PRODUCT FOR HIS PARTICULAR PURPOSE AND SHOULD COMPLY WITH ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS CONCERNING THE DESCRIBED PRODUCT.

N/A NOT APPLICABLE PEL PERMISSIBLE EXPOSURE LIMIT
B/K NOT KNOWN TWA TIME WEIGHTED AVERAGE
N/AV NOT AVAILABLE TLV THRESHOLD LIMIT VALUE
COC CLEVELAND OPEN CUP STEL SHORT TERM EXPOSURE LIMIT
PMCC PENSKI-MARTENS CLOSED CUP
G GRAM DOT DEPARTMENT OF TRANSPORTATION
MG MILLIGRAM OSHA OCCUPATIONAL SAFETY & HEALTH ADMIN.
M3 CUBIC METER SARA SUPERFUND AMEND. & REAUTHORIZ. ACT
LD 50 LETHAL DOSE 50%
LC 50 LETHAL CONCENTRATION 50% LC 50 LETHAL CONCENTRATION 50%
EPA ENVIRONMENTAL PROTECTION AGENCY
SAE SOCIETY OF AUTOMOTIVE ENGINEERS
ISO INTERNATIONAL STANDARDS ORGANIZATION

THIS PRODUCT REQUIRES NOTIFICATION BEFORE SALE IN CANADA BECAUSE IT CONTAINS A SUBSTANCE NOT ON THE CANADIAN DOMESTIC SUBSTANCE

LIST (DSL).
THIS PRODUCT MAY BE SUBJECT TO EXPORT NOTIFICATION UNDER TSCA 12B DUE TO CONTAINING 1,2,4-TRMETHYL BENZENE AND ISOPROPYL ALCOHOL.SYHIS PRODUCT MAY

CONTAIN THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CAL-FORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS BASED ON THE MAX-IMUM IMPURITY LEVELS OF THE FOLLOWING COMPONENTS: < 1 PPM CADMIUM, <1 PPM LEAD, 2 PPM ARSENIC AND 3 PPM ETHYL ACRYLATE

TEL: 405 354 4165 P. 002

NO.508

SAFETY DATA SHEET MATERIAL

130 WR WEATHERFORD RED ENAMEL

Page:

1

RODUCT NAME: 44R30 WR WEATHERFORD RED ENAMEL

HMIS CODES: H F R P

RODUCT CODE: 44R30

2 1 0 X

----- SECTION I - MANUFACTURER IDENTIFICATION -----

ANDFACTURER'S NAME: H-I-S PAINT MANUFACTURING COMPANY INC DDRESS

: 1801 WEST RENO

OKLAHOMA CITY, OKLAHOMA 73106-3217

: 05/03/99 DATE PRINTED : 405-232-2077 MERGENCY PHONE

NFORMATION PHONE : 405-232-2077 : 09/01/98 REVISION DATE NAME OF PREPARER : STEVE BUSSJAEGER 4 HOUR EMERGENCY : 405-640-5304

4HR EMERGENCY (ALT): 405-232-2549 (Ext.114), 405-692-7269, or 405-691-0479

HAZARDOUS INGREDIENTS/SARA III INFORMATION ======== ======= SECTION II

VAPOR PRISOURE WEIGHT 30. pp Hg G TEMP PERCENT CAS NUMBER PORTABLE COMPONENTS

ETHYLENE GLYCOL MONOBUTYL ETHER (2-BUTO IY STHANOL) 0.6 68 ° F

ACGIN TLV: 25 PPM - TWA, SKIN

OSKA PEL: 25 PPM - TWA, SKIN

120 mg/m3 H-1-5:

ORAL: 1746 mg/kg (RAT | DERMAL: 435 mg/kg (RABBIT) LO50:

INHALATION: -800 PPM/ 8 BR (RAT) LC50:

Indicates toxic chemical(a) subject to the reporting requirements of section 113 of Title III and of 40 CFR 172. is material contains ingredience covered by the California 'Safe Drinking Water and Toxic Enforcement Act of 1986." All componence : this product are present on the United States Toxic Substances Control Act (TSCA) Chamical Substances inventory.

SPECIFIC GRAVITY (H2O=1): 1.04 OILING RANGE: 336°F EVAPORATION RATE: Slower than ether APOR DENSITY: Heavier than air

MATERIAL V.O.C.: 1.29 lb/gl OATING V.O.C.: 3.12 ll/gl

MATERIAL V.O.C.: 155 g/l OATING V.O.C.: 374 q/1

OLUBILITY IN WATER: Material is water soluble and/or dispersable in water

PPEARANCE AND ODOR: Licklid, mild odor

LASH POINT: NONCOMBUSTILLE

XTINGUISHING MEDIA: Foati, CO2, dry chemical.

PECIAL FIREFIGHTING PROCEDURES

we known. However, fire fighters show a wear self-contained breathing apparatus to avoid inhalacion if material is involved in a meral fare.

NUSUAL FIRE AND EXPLOSION HAZARDS

and containers exposed to excreme heet may rupture due to pressure buildup. Product will not burn, but may spatter if temperature -ceeds boiling point of product. Dried Timish can burn, giving off exides of carbon.

TABILITY: Stable ONDITIONS TO AVOID AY. -03' 99 (MON) 10:56 YUKON RENTAL-FISHING

NO.508 P.3

MATERIAL SAFETY DATA SHEET

30 WR WEATHERFORD RED MAMEL

Page:

2

:Essive hear, poor ventilacion, excessive aging.

MAY. 3.1999 11:16AM

(COMPATIBILITY (MATERIALS TO AVOID)

ie known.

ZARDOUS DECOMPOSITION OR EYPRODUCTS

:rmal decomposition or combustion can produce funce of carbon diaxide and carbon monoxide.

HIS PF T

Will not occur under normal conditions.

THALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

for or mist can cause headache, nausea sid irritation of the nose, throat and lungs in poorly ventilited areas.

IN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

n contact: Irritating to the skin on kepeated or prolonged contact. Eye contact: Direct contact may casue eye irritation.

IN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

adverse effects from available information.

IGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

; cause gastrointestinal irrication.

LTH HAZARDS (ACUTE AND CHRONIC)

its effects are listed above. No known chronic offects.

RCINOGENICITY: NTF CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

DICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

-existing eye, skin and respiratory disordero.

ERGENCY AND FIRST AID PROCEDURES

alation- Move person to fresh air. Evi contact. Flush immediately with a large amount of water for at loads 15 minutes and get ical attention. Skin contact. Wash tixroughly with soap and water while removing contaminated clothing and shoes. Ingestion- Do induce vomiting: Contact physician of your local poison control contex immediately.

----- SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE -----

EPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

c spill area and add absorbent earth, rand or sawdust to spilled liquid. Keep out of sewers.

STE DISPOSAL METHOD

less absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state, and federal regulations. Do not inerate closed containers. Incinerate in approved facility. Obey relevant laws.

ECAUTIONS TO BE TAKEN IN HANDLING AND STORING

p containers tightly closed when not in use. Store in cool, well ventilated areas away from heat and out of direct sunlight.

FROM FREEZING: Wash choroughly after handling.

HER PRECAUTIONS

NOT TAKE INTERNALLY. KEEP OUT OF REACT OF CHILDREN. Avoid prolonged breathing of vapor or apray mist. Avoid prolonged or sated contact with skin. Use with additiate ventilation. Wash hands after using and before amoking or eating. Follow all hasard satetions given in this data sheet until container is thoroughly cleaned or destroyed.



ACGIH (TWA) : NOT EST.

The Information contained herein ased on data evallable at the time of preparation of the data sheet and which ICI Paula: believes to be reliable. However, no warranty expressed or implied regarding the accuracy of this data: ICI Paints shall not be responsition the use of this information, or of any product, method or apparatus mentioned and y must make your own determination of its suitability and completeness for your own use, for protection of the environment, and the health and safety of your employees and users of this material COMPLIES WITH OSHA HAZARD COMMUNICATIONS STANDARD 29CFR1910.1200.

OSHA (TWA) : 400 FFM

ZY0198 PAGE M 0000000001 1100 SECTION I CODE IDENTIFICATION ZY0198 DATE FRINTED PRODUCT IDENTIFICATION SPRAY-MATE MALIBU BLUE SECTION II-A - HAZARDOUS INGREDIENTS CHEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED WT.7
COMMON NAME : LIQUEFIED PETROLEUM GASES, SWEETENED SARA? NO
CAS NUMBER : 68476-86-8 LD50: NOT EST. CERCLA? NO WT.%: 20-30 LDEO: NOT EST. CERCLA? NO NTF? NO IARC MONOGRAFH? NO OSHA? NO CARCINOGENICITY LISTED BY: OSHA (TWA) : NOT EST.
OSHA (STEL) : NOT EST. ACGIH (TWA) : NOT EST. ACGIH (STEL): NOT EST. OSHA (STEL) DSHA (SKIN) : CEILING: SUFF REC STD. : NOT EST. CHEMICAL NAME: BENZENE, METHYL-WT.%: 10-20 COMMON NAME : TOLUENE SARA? ***
CAS NUMBER : 108-88-3 LDSO: SOOO.00 MG/KG ORL RAT CERCLA? ***
CARCINGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? 1 OSHA? NO ACGIH (TWA): 50 PPM ACGIH (STEL): 150 PPM DSHA (SKIN): CEILING: OSHA (TWA) : 100 PPM OSHA (STEL) : 150PPM SUPP REC STD. : NOT EST. CHEMICAL NAME: BENZENE WT.%: .01.-. SARA? COMMON NAME : BENZENE ** LDSO: NOT EST. CERCLAT *** : 71-43-2 CAS NUMBER CARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 OSHA? YES ACGIH (TWA): 10 FPM OSHA (TWA): 1 FFM ACGIH (STEL): NOT EST. OSHA (STEL): STPPM OSHA (SKIN): CEILING: SUFP REC STD.: NOT EST. CHEMICAL NAME: ACETONE WT.X: 20-30 COMMON NAME : SAME

CAS NUMBER : 67-64-1 LDSO: 5800.00 MG/KG ORL RAT CERCLA? ***

CARCINGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? I OSHA? NO OSHA (TWA) : 1000 FFM
OSHA (STEL) : NOT EST. ACGIH (TWA) : 1000 FFM ACGIH (STEL): NOT EST. SUPP REC STD. : NOT EST. OSHA (SKIN) : CEILING: CHEMICAL NAME: DISTILLATES (PETROLEUM), STEAM-CRACKED, WT.X: 1-5 FOLYMD. COMMON NAME : FETROLEUM RESINS

CAS NUMBER : 68131-77-1 LD50: NOT EST. CERCLA

CARCINGGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA

ACGIH (TWA): 5 MG/M3 OSHA (TWA): 5 MG/M3

ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.

OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST. COMMON NAME : FETROLEUM RESINS BARA? NO CERCLA? NO OSHA7 NO MG/M3 CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC WT.X:
COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM) SARA? NO
CAS NUMBER : 64742-89-8 LD50: GT 8.00 ML/KG ORL RAT CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? WT.%: 5-10 OSHA? NO OSHA (TWA) : 300 FF OSHA (STEL) : 400 FFM SUPP REC STD. : NOT EST. ACGIH (TWA) : 300 FFM FFM ACGIH (STEL): NOT EST. DSHA (SKIN) : CEILING: CHEMICAL NAME: SOLVENT NAPHTHA (FETROLEUM), HEAVY AROMATIC WT.%: 1COMMON NAME : AROMATIC HYDROCARBON BLEND BARA? NO
CAS NUMBER : 64742-94-5 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO WT.%: 1.-5

FROM: WAGNER SUPPLYOUSE

23045

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME ---- Balcones Minerals Corp.

ADDRESS --- P. Q. DDrawer B Flatonia, Texas 78941

TELEPHONE NO. --- 512/865-3514

PRODUCT TRADE NAME --- Absorb-N-Dry

Oil Dry

TECHNICAL NAME ... Fuller Earth

PAMILY----Clay

CHARAOTER ---- Calcined Ground Clay

MORMULA ---- Natural Earth Composition

HAZARDOUS INGREDIENTS --- None (No Additives)

Ph----Inert (Approx. 7)

BOILING POINT ---- Solids-non liquid

SOLUBILITY --- No (Calcined) Will Not Dissolve Under Normal Con-

APPEARANCE ---- Beige to Light White in Color

ODER ---- None

VOLATILITY----None

EVAPORATION RATE --- None

SPECIFIC GRAVITY---Unknown

FLASH POINT --- None

SPECIAL FIRE FIGHTING PROCEDURES .-- None

UNUSUAL FIRE AND EXPLOSION HAZARDS --- None

THRESHOLD: LIMITS --- Unknown

EDFROTS OF OVEREXPOSURE --- None

SPECIAL EMERGENCY PROCEDURES --- None

HEALTH DATA --- Cleansing --- If Material Should Enter The Eye Area Simply Flush Eye Area With Water Or Eye Wash Until Material Escapes. (Inert-Simple Discomfort)

STABILITY---Yes

DECOMPOSITION --- None

ABSORBENCY --- Approx. 100% By Weight

POLYMERIZATION --- Will Not Occur

INCOMPATABILITY --- Material To Other Products - None That Are Known

VENTILATION --- None

SPECIAL PROTECTIVE EQUIPMENT OR CLOTHING --- None

STEPS TO BE TAKEN IN CASE MATERIAL SFILLS --- Simply Sweep Up And S In Dry Place Until Use

CONDITIONS TO AVOID --- Material Should Be Kept Dry Until Used So That The Effectiveness Is At Its Fullest.

Moisture Starts The Product To React.

SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS

ELEMENTS	APPROX: %
Aluminum .	13.00
Parium	Trace
Boron	Trace
Calcium	3.00
Chromium	0.006
Copper	0.006
Iron	1.00
Magesium	2.00
l'anganese	0,08
Nickel	Trace
Potassiúm	2.00
Silicon	28.00
Sodium	2.00
Strontium	Trace
Vanadium	0.05
Titanium	0.10
Zirconium	0.02
OXYGEN	RALANCE

(SPRAY)

U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION	ON I
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
WD-40: Company ADDRESS (Number, Street, City, State, and ZIP Code)	619/275-1400
<u> 1061 Cudahy Place (92110), P. O. Box 80607</u>	, San Diego, California 92138-9021
chemical name and synonyms Organic mixture	TRADE NAME AND SYNONYMS WD-40 Spray cans
CHEMICAL FAMILY	FORMULA

	111	HAZA	ROOUS INGREDIENTS				
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLDYS AND METALLIC COATINGS	%	TLV (Units)		
PIGMENTS Not applicable			BASE METAL Not applicable		·		
CAYALYST			ALLOYS				
VEHICLE			METALLIC COATINGS				
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX				
ADDITIVES			OTHERS				
OTHERS					·		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES							
(1) Aliphatic petroleum distillate (stoddard solvent) CAS 8052-41-3 over							
(2) Petroleum base oil (CAS 8012-95-1) over							
(3) A-70 hydrocarbon propellant	(1	iquifie	d petroleum gas)(CAS 68476,85 7*	25	1000ppm		
(4) Proprietary corrosion inhib	i to	rs and	wetting agents *	Ba]	ance		
SE							
·				77000			
BOILING POINT (F.)			specific gravity (H2Q=1) Total mix in can		710		
VAPOR PRESSURE (mm Hp.) In cans @ 700 F.	50	psig	PERCENT VOLATILE BY VOLUME (%) Total can contents		80		
VAFOR DENSITY (AIR=1)		1	EVAPORATION RATE				
SOLUBILITY IN WATER INSOluble - forms unstable emul	5 i O	n					
APPEARANCE AND ODOR light amber col	ore	<u>i liqui</u>	d slight characteristic odor.				

Ipropellant portion	1.8% vol	9.5% vo
n		
		· · · · · ·
<u>"extremely flammable" und</u>	er Consumer	Product
_		extremely flammable" under Consumer

^{*}These do not constitute any special toxicity or handling hazards.

	ī.	(,	-	1				
			EOMON SY	SIPALITY.					
4	THRESHOLD LIMIT VA	tor thinner	(lowest I	IV of all	componer	nts)		500	, שממ
	EFFECTS OF OVEREXPO	OSURE Drying of	skin ev	e irritat	ion inha	alation	of vapor	may cai	usė` lowina
	anesthesia, he can cause irri cause chemica	tation, nause	a, vómiti	ng, and d	iarrhea.	Aspira	tion into	o lungs	can
Ì	EMERGENCY AND FIRE	STAID PROCEDURES For indestio	n, do not	induce v	omiting.	çall a	physicia	n. For e	eye .
į	contact, flush contact; wash fresh air, giv	with plenty with span and	of water.	remove c	ontact le	enses if For inh	worn. alation.	For skir remove	to
2.1.	fresh air, giv oxygen.	e artificial	respirati	on if nec	essary; i	f breat	hing is d	ifficult	t, give
Ų,	West Control of the same	STEP STANDARDS - STAP 1 C	Carrier and Artifaction and Artifaction	LACK THINKS ENDING	and the same	CO #422 252K			estige # his with the same A
4		State white State	SECTION	VI REAC	TIVITY DAT	A			
3	SYABILITY	UNSTABLE	CC	ONDITIONS TO	AVOID				
1		STABLE	Х		•				
ć	INCOMPATABILITY (M	laterials to avoid)							
ij	HAZARDOUS DECOMP	OSITION PRODUCTS							

***				****	
	SECTION VII	SPILL OR LEA	K PROCEDURE	Salan Alban	
	N CASE MATERIAL IS RELEASED OR S Y From Cans, leaking		be placed i	n plastic bag	or open
pail until pre	essure has dissipated.				
					:
WASTE DISPOSAL MET	rноо Empty spray cans s	should not be	punctured	or incinerated	d. bury
in land fill.	Liquid should be inci		-	•	

Χ

MAY OCCUR

WILL NOT OCCUR

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

THE PROPERTY OF THE PROPERTY O

	TECTION (Specify type)		FORMATION -	
VENTILATION	Sufficient to keep solvent vapor less		SPECIAL None	
			other None	
PROTECTIVE GLOVES None required		EYE PROTECTION None required		
THER PROTECTIV	ve equipment, None required.			

SECTION IX SPECIAL PRECAUTIONS

internally. Avoid excessive inhalation of spray particles. Do not 1200F Do not incinerate or puncture containers Do not take Do not store above

DATE: 8/22/85 (ESS TIALLY SIMILAR TO FORM OSHA 2)

	1.	PRODU	JCT INFO	ORMATION SE		Po ente 1 47	A CONTRACTOR AND COMMENTS
MANUFACTURED FOR	, maga						
ADDRESS AMP	Ω <u></u>			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	OTHER		
FORMULA PROPRIETARY		,		ADE NAME	Mole		
	11-	HAZARI	DOUSIN	NGREDIENTS	を選びる		
			الم المنظمة ا	· · · · · · · · · · · · · · · · · · ·	CAS PARTIES		
Methylene chlor					75-09-2		
Xylene ·					1330-20-7	# 2	
Ethanol					46-17-5		200
Methyl chlorofo	orm				71-55-6"		
	opane blen	đ			75-28-5 74-98-6	15	
Molybdenum Disulf:	ide		ក់ ក <u>ស្ន</u> ាក់	ल्या हैत	Unknown	100 mg	
2-ethoxy ethanol	· · · <u></u>		1 5 3 3	# (F. 17.)	Unknown		
			(A) (A) (A) (A) (A)	gradija. N	A CHEST DE		
		in-r	PHYSIC	AL DATA	The state of the s	THE WAY	
BOILING POINT (*F)	И	A	3 in sec.	SPECIFIC GRAVITY	(HeO*1) Concent	LIALA	
VAPOR PRESSURE (psig)	Max. 60		" "" " " b b s b " " " " " " " " " " " "	* VOLATILE BY VOLUME 98			
VAPOR DENSITY NA		, ,	and the period	EVAPORATION RATE (
SOLUBILITY IN WATER	nsoluble			APPEARANCE AND	opon black spited solvent	cay so	-
		RE & E	XPLOSIC	ON HAZARD E	DATA		A PART E
FLAMMABILITY & per CPSC FLAMMABLE	LAME EXTENSION	TEST		FLAMMABLE LIMIT	IS Lower		
EXTINGUISHING MEDIA Aerosol is non	-flammable	e: foa	am. dr	v chemica	1. carbon di	oxide	
SPECIAL FIRE FIGHTING PRO	CEDURES	•	1. 12.4 -4-1.5	alt og gjar til fjorset og	5	of the last	
self contained					to temperatu	LEBROY	OVE SHEET
130°F or the c	ontainer i	may ex	xplode		12-24-000	11.5	
				ITY DATA			
STABILITY UNSTA	ABLE	conditions to Avoid heat, sparks,			open flame,	welds	
STABL		х		a prigra aming spike?	March of the marchine		
water, strong	to avoid) Oxidants						
HAZARDOUS DECOMPOSITION CO, HCl, and s	ON PRODUCTS mall amount:	e of pl	nesene	4 chlorine			
HAZARDOUS	MAY GEGUA		000	GONDITIONS TO		462	MANAGE
POLYMERIZATION	WILL NOT OCCUR		×	NONE			



Material Safety Data Sheet

CHEVRON Supreme Motor Oil SAE 10W-30 995 Fngine

5026351

CPS220019

Page 1 of 7

E E HENSLEY & SON INC DELD PKG STK ACCT PO BOX 848 ODESSA, TX 79760 MATERIAL ORDERED FOR: 823 W FIRST ODESSA, TX 79760

Print Date: October 29, 1991 Safety Data Sheet contains environmental. hea

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. Discard any previous edition of this MSDS.

Changes have been made throughout this Material Safety Data Sheet. Read the entire document.

1. PRODUCT IDENTIFICATION

CHEVRON Supreme Motor Oil SAE 10W-30

- A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910,1200)

PRODUCT NUMBER(S): CPS220019

PRODUCT INFORMATION: (800)582-3835

Revision Number: 3 Revision Date: 09/27/91 MSBS Number: 004449

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 16

Material Safety Data Sheet



CHEVRON AW Hydraulic Oil 46

CPS234306

Page 1 of 6

E E HENSLEY & SON INC
PO BOX 848
ODESSA, TX 79760
Print Date: November 22, 1989

MATERIAL ORDERED FOR: 823 W FIRST ODESSA, TX 79760

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. Discard any previous edition of this MSDS.

This MSDS has been revised to include a first aid statement for the accidental injection under the skin.

1. PRODUCT IDENTIFICATION

CHEVRON AW Hydraulic Oil 46

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

CHEVRON PRODUCT NUMBER(S): CPS234306 PRODUCT INFORMATION: (800)582-3835

Revision Number: 12 Revision Date: 11/18/89 MSDS Number: 000099 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. antifice -- -



MARCUS INTERNATIONAL, INC. 1106 LODGEHILL HOUSTON, TX 77090 EMERGENCY PHONE NO. 713/893-8970

MATERIAL SAFETY DATA SHEET ANTIFREEZE/COOLANT

1. IDENTIFICATION

PRODUCT NAME: ANTIFREEZE/COOLANT

REVISION DATE:8/89

CHEMICAL NAME: ANTIFREEZE

FORMULA: BLEND

SYNONYMS: MARCUS ANTIFREEZE

MOLECULAR WT:

DOT SHIPPING NAME: ANTIFREEZE DOT HAZARD CLASS: NON REGULATED

UN NO:N/A

CHEMICAL FAMILY: GLYCOL

2. PHYSICAL DATA

SPECIFIC GRAVIY (H2O=1):1.12-1.14

PHYSICAL DESCRIPTION: FLUORESCENT GREEN, SLIGHTLY VISCOUS

LIQUID: MILD ODOR

BOILING POINT: 300 MIN.

SOLUBILITY IN WATER WT %: COMPLETE

FREEZING POINT: (50% SOL.): -34 DEGREES F.

VAPOR PRESSURE mmHg:N/A AT TEMP OF: N/A

EVAPORATION RATE (Butyl Acetate=1):<0.01

3. HAZARDOUS COMPONENTS GREATER THAN 1% (Carcinogens listed if greater than 0.1%)

MONOETHYLENE GLYCOL

(MIN)92.00%

DIETHYLENE GLYCOL

(MAX) 8.00%

[BORAX, SODUIM MBT, SODUIM NITRATE, POT. HYDROXIDE, DIPOTASSIUM PHOSPHATE, SODIUM TOLYTRIATE, WATER]}

3.33%

4. HEALTH HAZARD DATA

SWALLOWING: DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR VERY DROWSY. OTHERWISE INDUCE VOMITING WITH 2 GLASSES OF WATER AND 2 TBLSP. OF SYRUP OF IPECAC. GET MEDICAL ATTENTION SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

EYES CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES-SEEK MEDICAL ATTENTION.

SPECIAL MEDICAL CONDITIONS BY EXPOSURE: PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

PRIMARY ROUTE OF ENTRY: INHALATION, INGESTION, AND EYE CONTACT EXPOSURE LIMITS: NOT ESTABLISHED

POTENTIAL CARCINOGENS; THE PRODUCTS OF ETHYLENE GLYCOL ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

DA INC. P.O. BOX 277 DAYTON, OHIO 45401-0277 MSDS NO: DAP / 21004
INTERNAL ID: 21004
BROMA 10-MINUTE DRY
DECORATIVE ENAMEL
REVISION: 2
DATE: SEPTEMBER 30, 1988

· ·		
NATIONAL PAINT	HEALTH HAZARD	2 - HODERATE
AND COATINGS ASSOCIATION	FLAMMABILITY HAZARD	4 - SEVERE
HAZARDOUS HATERIAL	REACTIVITY HAZARD	0 - HINIHAL
IDENTIFICATION SYSTEM	PERSONAL PROTECTION	T GLASSES.
-		GLOVES

SECTION I. MATERIAL IDENTIFICATION

TRADE MATERIAL NAME: BROMA 10-MINUTE DRY DECORATIVE ENAMEL

BESCRIPTION: PAINT

OTHER DESIGNATIONS: INCLUDES: 100 METALLIC ALUMINUM 102 METALLIC LEAF GOLD

CAS: MIXTURE

SHIPPING NAME (49 CFR 172.101): CONSUMER COMMODITY*
D.O.T. ID NO. (49 CFR 172.101): NA*
D.O.T. LABEL REQUIRED (49 CFR 172.101): NONE*
EPA HAZARD CLASS - IF DISCARDED (40 CFR 261): DOO1-IGNITABLE *FOR 13 0Z. AEROSOL

MANUFACTURER: DAP INC. P.O. BOX 277

P.O. BOX 277 DAYTON, OH 45401-0277 PHONE:1-800-543-3840 IN OHIO: ----1-513-253-7154

entite de la companya del companya del companya de la companya de

SECTION I	I. INGREDIENTS AN	D HAZARDS	
INGREDIENT NAME:	CAS NUMBER: P	ERCENT: EXP	OSURE LIMITS:
**PETROLEUM NAPHTHA CCONTAINS 72	64742-89-8	5-10	ACGIH TLV: 400PPM
XYLENE) ACETONE	67-64-1	15-30	SARA 313 CHEMICAL OSHA PEL: 750PPM
			1000PPM STEL
	e e e e e e e e e e e e e e e e e e e		ACGIH TLV: 750PPH ACGIH STEL: 1000PPM
XXVM&P NAPHTHA	8030-30-6	<5	OSHA PEL: 300PPM
	ور دود کار از پی نیم برای در 		400PPM
XYLENE	1330-20-7		STEL SARA 313 CHEMICAL OSHA PEL: 100PPM
	-		TWA 150PPM
			STEL CEILING FIL: 200PPM CACGIH TEV 100PPM
TOLUENE	108-88-3	25-35	AGGIN 3 1 HEMICAL

INCREDIENTS AND HAZARDS CONTINUES ON PAGE 2

- PAGE 1

OSHA PEL: 100PPH

MATERIAL SAFETY DATA SHEET





ICLID AVENUE LAND, OHIO 44115 SENCY TELEPHONE 1-800-545-2643 The information contained herein is based on data available at the time of preparation of this data sheet and which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.

COMPLIES WITH OSHA HAZARD COMMUNICATIONS STANDARD 29CFR1910.1200.

PAGE - 1 ZY0407 0000000001 1100 SECTION I DATE PRINTED 05/05/97 ODE IDENTIFICATION ZY0407 RODUCT IDENTIFICATION SEN GOLD SECTION II-A - HAZARDOUS INGREDIENTS HEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED
OMMON NAME : LIQUEFIED PETROLEUM GASES, SWEETENED
AS NUMBER : 68476-86-8 LD50: NOT EST. WT.X: 20-30 SARAT NO CERCLA? NO IARC MONOGRAPH? NO ARCINOGENICITY LISTED BY: טא לקדא OSHA? NO OSHA (TWA) : NOT EST.
OSHA (STEL) : NOT EST. ACGIH (TWA) : NOT EST. OSHA (STEL) : NOT EST. SUPP REC STD. : NOT EST. ACGIH (STEL): NOT EST. CEILING: OSHA (SKIN) : WT.%: 40-50 SARAT NO HEMICAL NAME: ACETONE OMMON NAME : SAME AS NUMBER : 67-64-1 LDSO: SBOO.OO MG/KG ORL RAT CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? OSHA? NO ACGIH (STEL): NOT EST.

DSHA (SKIN): DSHA (TWA) : 1000 FFM
DSHA (STEL) : NOT EST. SUPP REC STD. : NOT EST. WT.%: .01-.1 HEMICAL NAME: BENZENE SARAT' COMMON NAME : BENZENE : 71-43-2 CERCLAT *** LDWO: NOT EST. ARCINOGENICITY LISTED BY: NTF7 YES A IARC MONOGRAPH? YES 1 08HA7 YES ACGIH (TWA): 10 FFM 08HA (TWA): 1 FFM OSHA (TWA) : OSHA (STEL) : TPPM' ACGIH (STEL): NOT EST. SUPP REC STD. : NOT EST. OBHA (SKIN) : CEILING: WT.%: 10-20 THEMICAL NAME: BENZENE, METHYL-SARAT *** COMMON NAME : TOLUENE SARA? ***
SOOO.OO MG/KG DRL RAT CERCLA? *** COMMON NAME : TOLUENE

CAS NUMBER : 108-88-3 LD50:

CARCINOGENICITY LISTED BY: NTF7 NO IARC MONOGRAPH? NO OSHA? NO 50 PPM DSHA (TWA) : 100 PPM DSHA (STEL) : 150PPM ACGIH (TWA) : ACGIH (STEL): 150 PPM SUPP REC STD. : NOT EST. DSHA (SKIN) : CEILING: WT.%: 1-5 THEMICAL NAME: BENZENE, DIMETHYL-COMMON NAME : XYLENE
CAS NUMBER : 1330-20-7 SARAT *** CAS NUMBER : 1330-20-7 LD50: 4300.00 MG/KG ORL RAT CERCLA? ****

CARCINDGENICITY LISTED BY: NTF7 NO IARC MONOGRAPH? NO OSHA? NO OSHA (TWA) : 100 FFM OSHA (STEL) : 150FFM ACGIH (TWA) : 100 FFM ACGIH (STEL): 1.50 FFM SUPP REC STD. : NOT EST. DSHA (SKIN) : CETLING: WT.X: 1-5 THEMICAL NAME: COPPER SARAT DMMON NAME : COFFER POWDER

DAS NUMBER : 7440-50-8 LD50: NOT EST.

DARCINOGENICITY LISTED BY: NTP7 NO 'IARC MO ** CERCLAT **** ' IARC MONOGRAPH? NO OSHA7 NO OSHA (TWA) : 1.0 MG/M3 ACGIH (TWA) : 1.0 MG/M3 OSHA (STEL) : NOT EST. SUPP REC STD. : NOT EST. ACGIH (STEL): NOT EST. OSHA (STEL) DSHA (SKIN) : CEILING: ** THIS CHEMICAL IS SUBJECT TO SARA 313 REPORTING REQUIREMENTS (40 CFR PART 372). *** THIS CHEMICAL IS A HAZARDOUS SUBSTANCE AS DEFINED BY

CERCLA (40 CFR PART 302.4).

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AT SAFETY DA

36, 12 OFFICE

Page:

BAIN EQUIPMENT COMPANY

MANUFACTURER INFORMATION ============

COVERING THE OILFIELD WITH PAINT 8620 WEST COUNTY ROAD - NITE: 362-8401

Inc.

- HMIS -,

)528

: 3 HEALTH FLAMMABILITY

REACTIVITY

: 0

NATIONAL BATTERIES

ALL TYPES

PROTECTION

'roduct Class: ALKYD FINISH

Ifg. Code ID : 63580-S

RIG-KOTE

!rade Name : 270-909 #50 NATIONAL BLUE

reparation Date: 02/06/97

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

OMPONENTS	CAS#	% by WT	VAPOR PRESSURE (mm Hg @ Temp)
PETROLEUM DISTILLATES	64742-88-7	40 - 45	3 20 C
MINERAL SPIRITS	8052-41-3	5 - 10	20 20 C
TITANIUM DIOXIDE	13463-67-7	1 - 5	n/a n/a

DENOTES HAZARDOUS MATERIAL DENOTES CARCINOGENIC MATERIAL

TES SARA 313 REPORTABLE COMPONENT

:======================================	SECTION	III -	OCCUP	ATIONAL	EXPOSURE	LIMITS	====	: ====================================
THEOREM		PEL TWA	PEL CEIL	PEL STEL	PEL TLV SKIN TWA	TLV CEIL		LV KIN
PETROLEUM DISTILLATES					<u>ن به ک</u> ه خده خده کم بیب کم بید			
MINERAL SPIRITS		100ррм	N/E	N/E	N/E 100ppm	N/E	N/E	N/E
TITANIUM DIOXIDE		500ppm	N/E	N/E	N/E 100ppm	N/E	200ppm	N/E

======== SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

N/E

15.00mg/m3 N/E

DILING POINT F (SOLVENT) >= : 300

: 0.93 SP. GR. (g/cc)

% VOLATILES BY VOLUME :

POR DENSITY

: > 1 (air = 1)

7.78 (THEORETICAL) WEIGHT PER GALLON % VOLATILE BY WEIGHT :

'APORATION RATE

: < 1 (ether = 1)

50.59 (THEORETICAL)

ATING V.O.C lb/gal

3.94

60.15

N/E

₁T'L V.O.C lb/sol gl

9.88

(THEORETICAL)

N/E

TER WEIGHT PERCENT :

0.00

SOLUBILITY IN WATER : INSOLUBLE

N/E 10.00mg/m3 N/E

LASH POINT: 100

METHOD USED: SETAFLASH

MABLE LIMITS IN AIR BY VOLUME- LOWER: .7@25C

UPPER: 6.1

MABILITY CLASSIFICATION:

SHA

: N/A

OFFICE

Page:

1

BAIN EQUIPMENT COMPANY

- MANUFACTURER INFORMATION

COVERING THE OILFIELD WITH PAINT 8620 WEST COUNTY ROAD - NITE: 362-8401

Inc.

- HMIS -

RIG-KOTE

-0528 NATIONAL BATTERIES

ALL TYPES

FLAMMABILITY REACTIVITY

: 3. 0

PROTECTION

HEALTH

: H

Product Class: ALKYD FINISH

Mfg. Code ID: 46620-TP Trade Name

: 240-805 #44 EMSCO GREEN FD ENAMEL

Preparation Date: 01/10/96

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION 22222222

VAPOR PRESSURE COMPONENTS CAS# % by WT (mm Hg @ Temp) ** XYLENE 1330-20-7 45 - 50 6.6 20 C Y CO-PRECIPITATE OF LEAD CHROMATE AND LEA 1 - 5 n/a n/a #a LEAD 7439-92-1 1 - 5 n/a n/a / LIGHT AROMATIC NAPHTHA 64742-95-6 <10.00 1 - 5 25 C) CHROMATE 133-82-0 <1 n/a n/a

I OTES HAZARDOUS MATERIAL TES CARCINOGENIC MATERIAL DENOTES SARA 313 REPORTABLE COMPONENT

=========== SECTION III OCCUPATIONAL EXPOSURE LIMITS ______

PEL PEL PEL TLV TLV TLV PFI TI V OMPONENT TWA CEIL STEL SKIN TWA CEIL STEL SKIN * XYLENE 100ppm N/E 150ppm Υ 150ppm Y 100ppm N/E CO-PRECIPITATE OF LEAD CHROMATE AND LEAD SULFAT N/E N/E N/E N/E N/E N/E N/E) LEAD $0.05 \,\mathrm{mg/m3}$ N/E N/E N/E N/E N/E 0.05mg/m3 N/ELIGHT AROMATIC NAPHTHA N/E N/E N/E N/E N/E N/E N/E N/E CHROMATE N/E .05mg/m3 Cr N/E .1mg/m3 Cr N/E N/E N/E N/E

SECTION IV PHYSICAL/CHEMICAL CHARACTERISTICS

ILING POINT F (SOLVENT) >= : 284

POR DENSITY : > 1 (air = 1)

APORATION RATE

4.28

ATING V.O.C Lb/gal

.O.C lb/sol gl 10.09 EIGHT PERCENT :

SP. GR. (g/cc)

% VOLATILES BY VOLUME :

WEIGHT PER GALLON 8.43

(THEORETICAL) % VOLATILE BY WEIGHT : 50.75 (THEORETICAL)

57.59

(THEORETICAL)

1.01

SOLUBILITY IN WATER : INSOLUBLE

AATERIA SAFETY DATA HEE

FRANK JONES

362-1012

BAIN EQUIPMENT COMPANY

COVERING THE OILFIELD WITH PAINT 8620 WEST COUNTY ROAD - NITE: 362-8401 MANUFACTURER INFORMATION

- HMIS -

0528

Inc.

HEALTH : 2 FLAMMABILITY : 3

REACTIVITY PROTECTION

: 1 : H

Page:

RIG-KOTE

NATIONAL BATTERIES
ALL TYPES

'roduct Class: ALKYD FINISH

ifg. Code ID : 60000-TP

!rade Name : 259 #20 ALUMINUM
'reparation Date : 01/10/96

======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

VAPOR PRESSURE (mm Hg OMPONENTS CAS# % by WT @ Temp) _____ MINERAL SPIRITS 8052-41-3 20 20 C · XYLENE 1330-20-7 25 - 30 6.6 20 C PETROLEUM DISTILLATES 64742-88-7 1 - 5 3 20 C

DENOTES HAZARDOUS MATERIAL DENOTES CARCINOGENIC MATERIAL

SENOTES SARA 313 REPORTABLE COMPONENT

		0000					
MPONENT	PEL TWA	PEL CEIL	PEL STEL	PEL TLV . SKIN TWA	TLV CEIL	TLV STEL	TLV SKIN
MINERAL SPIRITS							
XYLENE	500ppm	N/E	N/E	N/E 100ppm	N/E	200ppm	N/E
'ETROLEUM DISTILLATES	100ppm	N/E	150ppm	Y 100ppm	N/E	150ppm	Υ
CHOCKEN MISTIGNES	100ррт	N/E	N/E	N/E 100ppm	N/E	N/E	N/E
======== S	ECTION IV - PH	HYSICAL,	/CHEMICA	L CHARACT	ERIST:	ıcs ===	=======

-

========== SECTION III - OCCUPATIONAL EXPOSURE LIMITS

LING POINT F (SOLVENT) >= : 284

OR DENSITY :> 1 (air = 1)

PORATION RATE : < 1 (ether = 1)

TING V.O.C lb/gal : 4.51

'L V.O.C lb/sol gl : 13.35

0.00

SP. GR. (g/cc) : 0.95
WEIGHT PER GALLON : 7.91 (THEORETICAL)
% VOLATILE BY WEIGHT : 57.07 (THEORETICAL)
% VOLATILES BY VOLUME : 66.21 (THEORETICAL)

SOLUBILITY IN WATER : INSOLUBLE

ASH POINT: 80

ER WEIGHT PERCENT :

METHOD USED: SETAFLASH

AMMABLE LIMITS IN AIR BY VOLUME- LOWER: .7@25C

UPPER: 12.3@77F

AMMABILITY CLASSIFICATION :

HA : CLASS IC FLAMMABLE LIQUID

RAIN EQUIPMENT COMPAIL

COVERING THE OILFIELD WITH PAINT 8620 WEST COUNTY ROAD - NITE: 362-8401

HEALTH

FLAMMABILITY REACTIVITY

| PERSONAL PROTECT .: H

NATIONAL BATTERIES ALL TYPES

הנתחתר רומפסי ,עהעות מעעעםה

CHARD RATING : 0=least, 1=slight, 2=moderate, 3=high, 4=extreme, *=chronic)

afg. code id: 270-1

(H = splash goggles, gloves, synthetic apron, & vapor respirator)

trade name : 270-1 WHITE ENAMEL

SECTION II-A	HAZARDOUS	COMPONENTS

no.	component	CAS#	% by wt.	SARA	vapor pressure (mm Hg @ 20 C)	LEL (@ 25 C)
_	MINERAL SPIRITS	8052-41-3	35 - 40	NO	2.60	0.70
	TITANIUM DIOXIDE	13463-67-7	25 - 30	NO	N/A	N/A

>> None of the components of this product are recognized as carcinogenic.

(N/A = not applicable)

Percentage water weight =

CHARTON II D	A SUCTOR STORAGE	EVDOCUDE	STREET 1
SECTION II-B	OCCUPATIONAL	DAPUDUKE	PIUIIO

no.	(OSHA) PE	SL/TWA	PEL/CEILING	PEL/STEL	skin
•	500 ppm (A 15 mg/m3	AS STODDARD	SOLVENT) N/E	n/E n/E	N/E N/E
no.	(ACGIH) TL	AWT\V	TLV/CEILING	TLV/STEL	skin

100 ppm (AS STODDARD 10 mg/m3 Total Dust

N/E

200 ppm N/E

>> The dried film of this product may become a dust nuisance when removed by sanding or grinding. OSHA recommends a PEL/TWA of 15 mg/m3 for total dust and 5 mg/m3 for the respirable fraction. ACGIH recommends a TLV/TWA of 10 mg/m3 for total dust.

>> (SKIN) absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.

(N/E = not established)

SECTION III

PHYSICAL DATA

boiling point : not established evaporation rate : < 1 (ether = 1) vapor density : > 1 (air = 1) % volatile by volume : % volatile by weight : 40.45 (Theoretical)

58.27 (Theoretical)

weight per gallon

: 9.37 (Theoretical)

HEALTH INFORMATION

EYE CONTACT

BASED ON THE PRESENCE OF COMPONENT 1 PRODUCT IS PRESUMED TO BE MODERATELY IRRITATING TO THE EYES. BASED ON THE PRESENCE OF COMPONENT 1 PRODUCT VAPORS AND/OR MISTS MAY ALSO BE IRRITATING TO THE EYES.



The information contained herein sed on data available at the time of preparation of the data sheet and which ici Pa. believes to be reliable. However, no warranty expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsib for the use of this information, or of any product, method or apparatus mentioned and ye must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this materia COMPLIES WITH OSHA HAZARD COMMUNICATIONS STANDARD 29CFR1910.1200.

ZY0198 PAGE M 0000000001 1100 SECTION I CODE IDENTIFICATION ZYOU'S 05/05/97 DATE FRINTED PRODUCT IDENTIFICATION SPRAY-MATE MALIBU BLUE SECTION II-A - HAZARDOUS INGREDIENTS CHEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED WT.%
COMMON NAME : LIQUEFIED PETROLEUM GASES, SWEETENED SARA? NO
CAS NUMBER : 68476-86-8 LDEG: NOT EST. CERCLA? NO WT_%: 20-30 IARC MONOGRAFH? NO OSHA? NO OSHA (TWA) : NOT EST. OSHA (STEL) : NOT EST. CARCINOGENICITY LISTED BY: NTF? NO ACGIH (TWA) : NOT EST. ACGIH (STEL): NOT EST # OBHA (SKIN) : CEILING: SUPP REC STD. : NOT EST. CHEMICAL NAME: BENZENE, METHYL-WT.X: 10-20 COMMON NAME : TOLUENE SARA? ***

CAS NUMBER : 108-88-3 LDSO: SOOO.OO MG/KG ORL RAT CERCLA? ***

CARCINGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? 1 OSHA? NO RCINOGENICITY LISTED BY GIFT GO ACGIH (TWA): 50 PPM ACGIH (STEL): 150 PPM OSHA (SKIN): CEILING: OSHA (TWA) : 100 FFM OSHA (STEL) : 150FPM SUPP REC STD. : NOT EST. CHEMICAL NAME: BENZENE
COMMON NAME : BENZENE
CAS NUMBER : 71-43-2 LD50: NOT EST. CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 OSHA? YES
ACCITH (TWA): 10 FFM OSHA (TWA) : 1 FFM
OSHA (STEL) : 5FFM WT.%: .01.-. OSHA (STEL) : JPPM SUPP REC STD. : NOT EST. OSHA (SKIN) : CEILING: WT.%: 20-30 SARA? NO CHEMICAL NAME: ACETONE OSHA? NO OSHA (SKIN) : CEILING: SUFP REC STD. : NOT EST. CHEMICAL NAME: FOLYMD.

FOLYMD.

COMMON NAME : FETROLEUM RESINS

CAS NUMBER : 68131-77-1 LD50: NOT EST.

CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO GACGIH (TWA) : 5 MG/M3 OSHA (TWA) : 5 MG/M3 OSHA (STEL) : NOT EST.

ACCIH (STEL): NOT EST.

CETTING: SUPP REC STD.: NOT EST. CHEMICAL NAME: DISTILLATES (PETROLEUM), STEAM-CRACKED, WT.X: 1-5 BARA? NO CERCLA? NO OSHA7 NO MG/M3 CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC
COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)
CAS NUMBER : 64742-89-8 LDWO: GT 8.00 ML/KG ORL RAT CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? WT.%: 5-10 IARC MONOGRAFH? NO OSHA? NO OSHA (TWA) : 300 FF OSHA (STEL) : 400 FFM SUPP REC STD. : NOT EST. ACGIH (TWA) : 300 PPM ACGIH (STEL): NOT EST. . DBHA (BKIN) : CEILING: CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC WT.%: 1-5
COMMON NAME : AROMATIC HYDROCARBON BLEND BARA? NO
CAS NUMBER : 64742-94-5 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO ACGIH (TWA) : NOT EST.

OSHA (TWA) . : 400

DATE PREPARED: OIL CENTER RESEARCH, INC. MERGENCY TELEPHONE: 08-16-96 CHEMTREC 1-800-424-9300 616 W. PONT DES MOUTON RD / LAFAYETTE, LA 70507 MATERIALE SAFELY DATA SHEET PRODUCT IDENTIFICATION PRODUCT: 236 Environmentally Safe CHEMICAL HAME Not Applicable Tool Joint and Drill Collar Compound CAS NUMBER FORMULA CHEMICAL FAMILY Mixture Not Applicable Tool Joint and Drill Collar Compound HEALTH CODE FIRE CODE REACTIVITY COOR MATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATING CODES LEAST-0 SLIGHT-1 MODERATE-2 HIGH-3 EXTREME-4 II HAZARDOUS COMPONENTS OSHA LIMIT TLV INGREDIENT: 60-70 Smg/M³ as oil mist 5mg/M³ as oil mist Petroleum Oil 10-18 Not A vailable 2.0 mg/M3 Graphite Title III, Sec. 313 Status: / CAS# INGREDIENT: None III. PHYSICAL AND CHEMICAL PROPERTIES VAPOR PRESSURE EVAPORATION RATE(Not Applicable Not Applicable Not Applicable APPEARANCE PERCENT VOLATILE BY VOLUME (%) Black Paste Mild Petroleum Not Applicable SPECIFIC GRAVITY (H20-1) VAPOR DENSITY (+1-1) BOLUBILITY IN WATER 1.04 Insoluble Not Applicable IV:::FIRE:PROTECTION INFORMATION :::: AUTO IGNITION TEMPERATURE FLAMMABLE LIMITS & VOLUME IN AIR LOWER % UPPER % FLASH POINT AND METHOD Not Applicable Not A vailable > 400°F (ASTM D-92) EXTINGUISHING MEDIA Carbon dioxide, dry chemical, or foam. HAZARDOUS DECOMPOSITION PRODUCTS Incomplete combustion can yield carbon monoxide, sulfur dioxide and various hydrocarbons. FIRE AND EXPLOSION HAZARD For fire fighting, use self-contained breathing apparatus with positive pressure. May produce toxic fumes at temperatures above 930°F. HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X UNSTABLE V. HEALTH INFORMATION Not Applicable EYE CONTACT Possible irritation with repeated or prolonged contact. SKIN CONTACT Possible irritation with repeated or prolonged contact. If injected under skin with high pressure grease gun, necrosis could result

Page 1 of 2

INGESTION

Possible irritation, nausea, or diarrhea.

HEALTH INFORMATION SECTION CONTINUED ON PAGE 2

OIL CENTER RESEARCH, INC.

616 W. PONT DES MOUTON RO / LAFAYETTE, LA 70507	06	-30-97		CHEMTRE	C 1-800-424	I-9300
		T T.		4		
SECTION AND MATERIAL	NAME IN	Dala	SHEEL	erer aver		
CASAGE PROPERTY AND A CONTRACT OF THE PROPERTY						***********
I PRODUCTIDENTIFICATION						
PRODUCT	CHEMICAL NAME					
318 Metal Free OCR Modified Thread Compound	Not Applicab	<u>le</u>				
CHEMICAL FAMILY	FORMULA				CAS NUMBER	
Petroleum Grease with Additives	Mixture				Not Appli	cable
NATIONAL FIRE PROTECTION ASSOCIATION NAZARD RATING CODES	HEALTH CODE		FIRE CODE		REACTIVITY C	ODE
LEAST-0 SLIGHT-1 MODERATE-2 HIGH-3 EXTREME-4	<u> </u>	1	11		0	
II. HAZARDOUS COMPONENTS					Heren in	
INGREDIENT:	96		OSHA LIMIT	<u> </u>	TLV	,
Petroleum Oil	40-60		5mg/M³ as (Oil hales	5mg/M3	
Γ	5-15		Smg/M ³ as r		5mg/M³	
Polytetrafluoroethylene				espiracie	_	
1			dusi		respira	ble dust
	<u> </u>				<u>.l</u>	
Title III, Sec. 313 Status:						- "
INGREDIENT:	 		%		CA	S#
None	1					
	<u></u>				1	
III. PHYSICAL AND CHEMICAL PROPERTIES						
SCILING POINT	VAPOR PRESSURE	535 - 3 55 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355 - 355	- 144 (Arthur Ariana)	EVAPORATION	DATE!)=1
Not Applicable	Not Applicable			Not Applic	•	<i>-</i> 1
PERCENT VOLATILE BY VOLUME (K)	APPEARANCE	<u> E </u>		ODOR	aote	
Not Applicable	Black Paste			Mild Petro	I	·
VAPOR DENSITY (air-1)	SPECIFIC GRAVITY	/U20=11		SOLUBILITY IN		
Not Applicable	1.2	(450-1)		Insoluble		
	11.2			more		
IV. FIRE PROTECTION INFORMATION						
FLASH POINT AND METHOD AUTO IGNITION TEMPER		FLAMMABLE LI	MITS % VOLUMEIN	ur .	LOWER %	UPPER %
	600°F	<u> </u>	Not Available			<u> </u>
EXTINGUISHING MEDIA						
Carbon dioxide, dry chemical, or foam.						
HAZARDOUS DECOMPOSITION PRODUCTS	•			•:		
Incomplete combustion can yield carbon monoxide, carb	on dioxide, and	d various hy	drocarbons.			
FIRE AND EXPLOSION HAZARD						
For fire fighting, use self-contained breathing apparatus	with positive p	ressure.				
May emit toxic fumes at temperatures greater than 930°!	7.					
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR X		MAY OCCUR	STABILITY:	STABLE	X UN	STABLE
V:HEALTH INFORMATION "						
			: 1. (
INHALATION						
Not Applicable						
RYE CONTACT	•				/	
Possible irritation with repeated or prolonged contact.						
SKIN CONTACT						
Possible irritation with repeated or prolonged contact. L	f injected unde	r				
the skin with high pressure grease gun, necrosis could re	sult.					
INGESTION					:	
Possible irritation with repeated or prolonged contact. A	lspiration haza	rd.		•		
	-					

MATERIAL SAFETY DATA

PRODUCT NAME: 25 Thinner DUCT CODE: 25 THINNER HMIS CODES: H

SECTION I - MANUFACTURER IDENTIFICATION -=========

IANUFACTURER'S NAME: INDUSTRIAL COATINGS

DDRESS: 5521 Mitchelldale, Houston, Texas 77092

MERGENCY PHONE: 713-686-3411 INFORMATION PHONE: 713-686-3411 ATE REVISED : 06-21-90

EASON REVISED : Update

NAME OF PREPARER : Larry Hannusch

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

OCCUPATIONAL EXPOSURE LIMITA VAPOR PRESSURE WEIGHT

ZARDOUS COMPONENTS CAS NUMBER OSHA PEL ACGIH TLV OTHER mm Hg • TEMP PERCENT 64742-89-3 NA M & P Naptha 300ppm

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

SECTION III -PHYSICAL/CHEMICAL CHARACTERISTICS

ILING POINT: SPECIFIC GRAVITY (H2O=1): 192 Deg F POR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

TERIAL V.O.C.: 6.50 LB/GL (779 G/L)

LUBILITY IN WATER: Negligible

PEARANCE AND ODOR: Clear thin liquid with aliphatic odor.

------SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

ISH POINT: 18 Deg F METHOD USED: TCC

MMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.2% UPPER: 8.0%

'INGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

CIAL FIREFIGHTING PROCEDURES

spray may be ineffective on fire but can protect firefighters and help cool closed containers. Use full bunker gear entering confined fire space. Use NIOSH approved positive pressure self-contained breathing apparatus.

SUAL FIRE AND EXPLOSION HAZARDS

d containers may burst in the presence of extreme heat. Isolate containers from open flame, heat, sparks, electrical ment, and oxidizers. Applying to hot surfaces requires special precautions. Empty containers are considered very dous due to the residual fumes present.

) from burning.

SECTION V - REACTIVITY DATA

ABILITY: STABLE ONDITIONS TO AVOID

The state of the s

solate from extreme heat, open flame, sparks, electrical equipment, and strong oxidizers.

NCOMPATIBILITY (MATERIALS TO AVOID)

solate from strong oxidizers such as permanganates and peroxides.

AZARDOUS DECOMPOSITION OR BYPRODUCTS

AZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA _______

NHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE zziness, loss of equilibrium, nauses.

KIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE IN: Possible rash, defatting, dermatitis. ES: Redness, tearing, blurred vision.

KIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE Matitis, irritation; absorption through the skin increases exposure and may be harmful.

NGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE usea, dissiness, abdominal irritation, vomiting, diarrhea.

EALTH HAZARDS (ACUTE AND CHRONIC)

JTE: Respiratory irritation, headaches, dermal irritation; may be fatal if swallowed. MONIC: Vapor harmful, absorption through the skin may be harmful. Vapor and liquid can cause eye irritation.

IARC MONOGRAPHS? NO

OSHA REGULATED? NO

: established. Overexposure may increase cancer risk.

ARCINOGENICITY: NTP? NO

DICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE sons with severe skin, liver, or kidney problems should avoid use.

ERGENCY AND FIRST AID PROCEDURES

case of contact with skin, wash thoroughly with soap and water. For eyes, immediately flush with plenty of water for minutes and CALL A PHYSICIAN. Remove and wash contaminated clothing before reuse. After high vapor exposure, remove fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If swallowed, not induce vomiting and call a physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANL_ING AND USE

LPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

top spill at source. Dike area and contain. Pump spilled material into approved DOT containers. Remove remainder with bsorbent material and also place in approved DOT containers. The state of the s

VASTE DISPOSAL METHOD

ispose of waste by legal means complying with local, state, and federal regulations.

RECAUTIONS TO BE TAKEN IN HANDLING AND STORING

void free fall of material as this can lead to static discharge. Keep containers a safe distance from fire and heat. mpty containers should be considered very hazardous because of the residual vapors.

THER PRECAUTIONS

not drop containers. Store containers a safe distance from ignition sources.

----------------SECTION VIII - CONTROL MEASURES ================

ESPIRATORY PROTECTION

air is over specified TLV, use NIOSH approved positive-pressure self-contained breathing apparatus in accordance with R 1910.134.

ENTILATION

cal exhaust necessary, (mechanical acceptable), using only explosion proof equipment.

ROTECTIVE GLOVES

ar OSHA standard gloves.

YE PROTECTION

ways wear protective goggles when handling this material.

THER PROTECTIVE CLOTHING OR EQUIPMENT

ar gloves, apron, and footwear impervious to this material. Wash clothing prior to reuse.

DRK/HYGIENIC PRACTICES

ways wash hands and skin with soap and water after using this product.

[SCLAIMER

- : information herein is given in good faith, but no warranty, expressed or implied, is made. These recommendations
- offered for the user's consideration and examination, and it is the user's responsibilty to satisfy itself that they suitable and complete for it's particular use. Buyer assumes all risks and liabilities in using this product.

MATERIAL SAFETY DATA SHEET

DUCT NAME: Weatherford/Petco No Lead Red

HMIS CODES: H F R P

DUCT CODE: 460

. . .

ANUFACTURER'S NAME: INDUSTRIAL COATINGS

DDRESS: 5521 Mitchelldale, Houston, Texas 77092

MERGENCY PHONE: 713-686-3411 INFORMATION PHONE: 713-686-3411 ATE REVISED : 11-02-92 NAME OF PREPARER : Larry Hannusch

EASON REVISED : Update

====== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =======

OCCUPATIONAL EXPOSURE LIMITS VAPOR PRESSURE WEIGHT CAS NUMBER OSHA PEL → ACGIH TLV OTHER - MEM Hg ● TEMP PERCENT LARDOTTS COMPONENTS 3468-63-1 NA NA initraniline orange pigment 5] y 300 ppm 64741-82-1 500 ppm. ineral Spirits 1.5 . 68F 40 64742-89-3 NA I & P Naptha 300ppm 10

No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

======= SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ===========

ILING RANGE: 192 to 320 Deg F SPECIFIC GRAVITY (H2O=1): 0.9
POR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

FERIAL V.O.C.: 4.01 LB/GL (481 G/L)

LUBILITY IN WATER: negligible

PEARANCE AND ODOR: Red liquid with aromatic odor.

======== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

ASH POINT: 18 Deg F METHOD USED: TCC

MMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1% UPPER: 8.0%

[INGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

CIAL FIREFIGHTING PROCEDURES

r spray may be ineffective on fire but can protect firefighters and help cool closed containers. Use full bunker gear entering confined fire space. Use NIOSH approved positive pressure self-contained breathing apparatus.

ISUAL FIRE AND EXPLOSION HAZARDS

ed containers may burst in the presence of extreme heat. Isolate containers from open flame, heat, sparks, electrical ment, and oxidizers. Applying to hot surfaces requires special precautions. Empty containers are considered very dous due to the residual fumes present.

----- SECTION V - REACTIVITY DATA

MBILITY: STABLE NDITIONS TO AVOID

ate from extreme heat, open flame, sparks, electrical equipment, and strong oxidizers.

COMPATIBILITY (MATERIALS TO AVOID)

ate from strong oxidizers such as permanganates and peroxides.

ZARDOUS DECOMPOSITION OR BYPRODUCTS rom burning.

ZARDOUS POLYMERIZATION: WILL NOT OCCUR

IALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE iness, loss of equilibrium, nausea.

IN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

- : Possible rash, defatting, dermatitis.
- : Redness, tearing, blurred vision.

N ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE litis, irritation, absorption through the skin increases exposure and may be harmful.

ESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE a, dissiness, abdominal irritation, vomiting, diarrhea.

LTH HAZARDS (ACUTE AND CHRONIC)

- Respiratory irritation, headaches, dermal irritation; may be fatal if swallowed.
- IC: Yapor harmful, absorption through the skin may be harmful. Vapor and liquid can cause eye irritation.

CINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO stablished. Overexposure may increase cancer risk.

ICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE us with severe skin, liver, or kidney problems should avoid use.

RGENCY AND FIRST AID PROCEDURES

se of contact with skin, wash thoroughly with soap and water. For eyes, immediately flush with plenty of water for nutes and CALL A PHYSICIAN. Remove and wash contaminated clothing before reuse. After high vapor exposure, remove ish air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If swallowed, induce vomiting and call a physician immediately.

and the state of t	in age to the proper	এ কল্পাড়েক	Committee of the Commit		THE PERSON NAMED IN	***		
:=========	SECTION	VII	- PRECAUTI	ONS FOR	SAFE	HAN! ING	AND OS	, =========
							· 多种的人。	
PS TO BE	TAKEN IN	CASE	MATERIAL IS	RELEASI	SD OR	SPILLED	Eggie.	**************************************
spill at source					1 441	T containers.	Remove remai	der with

ASTE DISPOSAL METHOD

ispose of waste by legal means complying with local, state, and federal regulations.

RECAUTIONS TO BE TAKEN IN HANDLING AND STORING

oid free fall of material as this can lead to static discharge. Keep containers a safe distance from fire and heat. pty containers should be considered very hazardous because of the residual vapors.

THER PRECAUTIONS

not drop containers. Store containers a safe distance from ignition sources.

ISPIRATORY PROTECTION

air is over specified TLV, use NIOSH approved positive-pressure self-contained breathing apparatus in accordance with

NTTLATION

al exhaust necessary, (mechanical acceptable), using only explosion proof equipment.

OTECTIVE GLOVES

r OSHA standard gloves.

E PROTECTION

tys wear protective goggles when handling this material.

HER PROTECTIVE CLOTHING OR EQUIPMENT

: gloves, apron, and footwear impervious to this material. Wash clothing prior to reuse.

RK/HYGIENIC PRACTICES

Ys wash hands and skin with soap and water after using this product.

CLAIMER

information herein is given in good faith, but no warranty, expressed or implied, is made. These recommendations offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they suitable and complete for it's particular use. Buyer assumes all risks and liabilities in using this product.

2W0U1-2W002

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List):
Glass Fiber Air Filter Media

SECTION I
Manufacturer's Name: Superior Glass Fibers, Inc.
Address: 499 N. Broad Street, Bremen, Ohio 43107
Emergency Telephone Number: 614-569-4175
Telephone Number for Information: 614-569-4175
Date Prepared: 1/16/89

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION
Hazardous Components OSHA ACGIH Other Limits
(Specific Chemical Identity; PEL TLV Recommended
Common Name(s))
Glass Fibers (Nuisance 10mg/m3 10mg/m3

Particles (Non Respirable)

Cured Urea Formaldehyde resin None Established

May contain Triaryl Phosphate None Established

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
Boiling Point: N/A
Specific Gravity (H2O=1): N/A
Vapor Pressure (mm Hg): N/A
Melting Point: N/A
Vapor Density (AIR=1): N/A
Evaporation Rate (Butyl Acetate=1): N/A
Solubility in Water: Insoluble
Appearance and Odor: Open glass fiber mat, any color, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Flash Point (Method Used): 380 deg F + (Open Cup)
Flammable Limits: LEL N/A, UEL N/A
Extinguishing Media: Water, fog, CO2, Dry Chemical
Multipurpose foam

Special Fire Fighting Procedures:

Wear full protective clothing and self-contained breathing apparatus. (Material is self-extinguishing in the roll

Unusual Fire and Explosion Hazards:

For Triaryl Phosphate, if present, under fire conditions, toxic acid vapors be formed from Phosphorus Oxide ,如何行为有效

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): None

他中国种种特别。伊帕德贝克

Hazardous Decomposition or Byproducts:

Triaryl Phosphate if present. / Fire conditions, Toxic acidic vapors may be formed from phosphorus oxide.

Hazardous Polymerization: Will Not Occur

A PAR

SECTION VI - HEALTH HAZARD DATA

Routes of Entry: Inhalation - NO; Skin - YES; Ingestion - NO Health Hazards (Acute and chronic):

May be irritating to the eyes, skin and may produce an allergic response in sensitive individuals. No long term effects have been identified.

Carcinogenicity:

NTP: NO

IARC Monographs: No

OSHA Regulated: No Signs and Symptoms of Exposure: Irritation or skin rash Medical Conditions Generally Aggravated by Exposure:

None known. However, sensitive skin may become irritated

by repeated exposure.

Emergency and First Aid Procedures:

Wash exposed skin area with soap and water after handling. Flush eyes with large quantities of water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

None required. Solid Material

Waste Disposal Method:

Dispose of at approved landfill according to local, state and federal requirements.

Precautions to be Taken in Handling and Storage:

No special handling required except for gloves and eye protection.

Other Precautions:

Wash hands with soap and water prior to meals and contact with sensitive skin.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Dust filter if cutting or grinding. Ventilation:

Local Exhaust: May be required depending on operation.

Mechanical (General): Yes recommended

Special: N/A

Other: N/A

Protective Gloves: Mandatory, impervious gloves

Eye Protection: Yes, avoid eye contact

Other Protective Clothing or Equipment: None required Work/Hygienic Practices: Follow normal work/hygienic practices



Material Safety Data Sheet

BRICANTS WITH LITHIUM ADDITIVE

This Material Safety Data Sheet references the following products:

Philube M

Philube High Temp EP-1 and EP-2

Philube ASM

Philube MW

Philube EP-1 and EP-2

Philube L-0,L-1 and L-2

PHONE NUMBERS

PHILLIPS 66 COMPANY

A Subsidiary of Phillips Petroleum Company Bartlesville, Oklahoma 74004

Emergency: Business Hours (918) 661-3865 (918) 661-8118 After Hours

General MSDS Information:

(918) 661-8327

A. Product Identification

Synonyms: Not Established Chemical Name: Mixture

Chemical Family: Hydrocarbon Chemical Formula: Mixture

CAS Reg. No.: Mixture
Product No.: Various

Product and/or Components Entered on EPA's TSCA Inventory: YES

B. Hazardous Components

Ingredients	CAS	×	OSHA	ACGIH
	Number	By Wt.	PEL	TLV
Complex Hydrocarbon* Mixture Plus Additives Lithium Compound*	NA -	90-98.7 1.3-10	ne ne	NE NE

The specific chemical identity of this material is being withheld as a trade secret. It will be provided in accordance with the provisions of 29 CFR Part 1910.1200(i). In the event of a medical emergency, it will be provided to a treating physician or nurse through utilization of the Emergency Telephone Number above.

Personal Protection Information

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required.

Eye Protection: Use safety glasses with side shields, if eye

contact is possible.

Skin Protection: Use protective garments to prevent excessive skin contact. Use Neoprene or rubber gloves.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

D. Handling and Storage Precautions

Avoid inhalation of vapors. Avoid skin or eye contact. Wear protective equipment and/or garments described in Section C if Wash hands after handling. Launder exposure conditions warrant. contaminated clothing before reuse.

Store in a cool, well-ventilated area away from ignition sources. Keep containers closed.

E. Reactivity Data

Stability: Stable Conditions to Avoid: Not Applicable
Incompatibility (Materials to Avoid): Oxygen and strong oxidizing or

reducing agents

Hazardous Polymerization: Will Not Occur Conditions to Avoid: Not Applicable Hazardous Decomposition Products: Oxides of carbon, nitrogen, boron, zinc, sulfur and lithium may be released when burned.

F. Health Hazard Data

Recommended Exposure Limits:

HARLES TO BE TO SEE Not Established.

The second second

Acute Effects of Overexposure:

Eye: May produce slight to moderate irritation.

ARTY CORES TO THE Skin: Frequent and prolonged contact with skin may produce

irritation and dermatitis in some individuals.

Inhalation: Headache and nausea.

Ingestion: May cause irritation of the gastrointestinal tract with nausea, vomiting and abdominal pains.

Subchronic and Chronic Effects of Overexposure:

Lithium is accumulated in the body and over time. Excess intake can produce adverse kidney, gastrointestinal tract and central nervous system effects. Toxic dermatitis has also been reported.

Other Health Effects:

Sufficient quantities of sodium present in the body can reduce lithium accumulation in the body. Pressurized injection of product under the skin can lead to seriously inflammed tissue. If left untreated injury can become gangrenous.

Health Hazard Categories:

	Animal	Human			Animal	Human
Known Carcinogen Suspect Carcinogen Mutagen Teratogen Allergic Sensitiz Highly Toxic	er <u> </u>		Toxic Corrosive Irritant Target Organ Specify -	Toxin Eye Hazard-In Kidney Toxin; Gastrointesti Skin Hazard	Nerve Tox	in;

First Aid and Emergency Procedures:

Eye: Immediately flush eyes with running water for 15 minutes. If irritation develops, seek medical attention. For injection injuries, immediate medical treatment is required. Physicians may call (918) 661-4845.

Skin: Wash with soap and water. If irritation develops, seek medical attention. For injection injuries, immediate medical treatment is required. Physicians may call (918) 661-4845.

TOTAL STATE OF THE Inhalation: Remove from exposure.

Ingestion: Give 2 glasses of water and induce vomiting. If illness or adverse symptoms develop, seek medical attention.

G. Physical Data

College March

Appearance: Various Colored Greases Odor: Mild, Petroleum Odor

Boiling Point: >500F

Vapor Pressure: <0.1 mm Hg at 20C

Vapor Density (Air = 1): >1 Solubility in Water: Slight

Specific Gravity (H20 = 1): 0.87-0.93 at 60/60F Percent Volatile by Volume: Negligible

Evaporation Rate (Butyl Acetate = 1): <0.1

Viscosity: Not Established

H. Fire and Explosion Data

Flash Point (Method Used): Flammable Limits (% by Volume in Air): >300F (>149C) (Estimated)

LEL - Not Applicable UEL - Not Applicable

Dry chemical, foam, or carbon dioxide (CO2). For small Fire Extinguishing Media: localized fires, sand or earth

may be used.

Special Fire Fighting Procedures:

Evacuate area of all unnecessary personnel. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective

equipment and/or garments described in Section C if conditions warrant. Water fog or spray may be used to cool exposed containers and equipment.

Oxides of carbon, nitrogen, boron, zinc, sulfur and lithium may be Fire and Explosion Hazards:

released when burned.

I. Spill, Leak and Disposal Procedures

recautions Required if Material is Released or Spilled:

Wear protective equipment and/or garments described in Section C
if exposure conditions warrant. Contain spill. Protect from
ignition Keep out of water sources and sewers. Absorb in a
dry; inert material.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):
Incinerate or otherwise manage in a permitted waste management
facility.

J. DOT Transportation

Shipping Name: Not Applicable
Hazard Class: Not Applicable
ID Numbers Not Applicable
Marking: Not Applicable
Label: Not Applicable
Placard: Not Applicable
Hazardous Substance/RQ: Not Applicable
Shipping Description: Not Applicable
Packaging References: Not Applicable

K. RCRA Classification - Unadulterated Product as a Waste

That is a

L. Protection Required for Work on Contaminated Equipment

Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Contact immediate supervisor for specific instructions before work is initiated.

W (12 P 198 22) 38 W

MATERIAL SAFETY DATA SHEET ESSENTIALLY SIMILAR TO U.S. DEPARTMENT OF LABOR FORM OSHA-20

,~		SE	ection i		
MANUFACTURE'S	NAME John S	Guyggins Co.	EMERGENCY TE	LEPHONE NO. (9	18)775-2748
ADDRESS F. O.					
	NUMBER -	STREET	CITY	STATE	ZIP
A		- Marchiner and Two	edtere Carrelle Films		
CHEMICAL NAME	AND SYNONYM	Oil Besc Ploa	mitor Supply Line		
I KAUE NAME ANI	J STNUNTMS		ULA sawdust, Jube oi	, 	
CHEMICAL FAMIL	Ţ	PARION ILLEZA	DROUG INCREDIENT) 	minater or a many and man
5 11/120 OD50451	S	ECTION II RAZA	RDOUS INGREDIENT	io Vocation	leri secretaren 1
PANTS, PRESERV	atives & soli	VENTS W TLV (UN	ITS ALLOYS & METAL	LIC CUATINGS %	III_V(URITS)
**************************************	· · · · · · · · · · · · · · · · · · ·				
	HAZARDOUS	MINTINES OF OT	HER LIQUIDS, SOLIDS OF	R GASES I W	TLY (UNITS)
•	membyu:	3 MIX TONES OF UT	TEN EIGOIDS, GOGOG	, dayed	
	· · · · · · · · · · · · · · · · · · ·	SECTION III	PHYSICAL DATA		*
BOILING POINT	•	**************************************	SPECIFIC GRAVITY	12 (i=1)	
	(mm Hg.)		specific gravity () percent, volatile	BY VOLUME (%)	
VAPOR DENSITY (EVAPORATION RATE		
SOLUBILITY IN WA	TER	······································		-/	
APPEARANCE & O		lor Bland Odor		· ·	
			XPLOSION HAZARD	DATA	
FLASH POINT			FLAMMABLE LIMITS_	LEL	VEL
EXTINGUISHING ME	DIA	19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	Proceedings and an internal		
		URES Matter or I	Tre ex	BA-4 12	
UNUSUAL FIRE & E	XPLOSION HAZ	ARDS Nova	. J		<u> </u>
1			LTH HAZARD DATA		
THRESHOLD LIMIT			•		
AFFECTS OF OVER	FYPOSURE		The state of the s		
EMERGENCY FIRST	AID PROCEDU	RES No report	CO CALLIA OI BAY RAVE	wa affac's du	o to product
		The Control of Children	Children at 17 April 1 April 2 April 2 April 2		All Capacities
,,		SECTION VIR	EACTIVITY DATA		
STABILITY	UNSTA		STABLEC		/OID
NCOMPATABILITY					
KAZARDOUS DECŌ	MPOSITION PR	ODUCTS			
HAZANDOUS POLY	MERIZATION	MAY	OCCURWILL NOT	OCCURCON	DITIONS TO
AVOID	1.4 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Apple Control	The second of the second
	SEC	TION VII SPILL C	R LEAK PROCEDUR	Es	
STEPS TO BE TAKE	N IN CASE MAT	TERIAL IS RELEASE	DOR SPILLED SWEET	comp fina qui	<u> </u>
The second second					ر در اور در اور در اور در اور در
Waste Disposal I				A Late H	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	SECTION	I'VIII SPECIAL P	rotection inform	IATION	
RESPIRATORY PRO	TECTION (SPEC	HEY TYPE) NONG	la de la companya de	1995 - Marija (1996) - Marija (1996) - Marija (1996)	4 (15 day 1971)
SEMILITATION.	LO(CAL EXHAUST	MECHA		A STATE OF THE STA
PROTECTIVE GLOVE		· · · · · · · · · · · · · · · · · · ·	EYE PROTEC	TIONMOITS	
THER PROTECTIVE	•			· · · · · · · · · · · · · · · · · · ·	Name of the second seco
		ection IX spec	HAL PRECAUTIONS		
recautions to D	IE TAKEN IN HA	indling & Storin	g Do Not Store Near	Chou trums	100 mm 1
				Take 2 Takesa	#10 10 10 10 10 10 10 10 10 10 10 10 10 1
THER PRECAUTION	NS /	• •			

23045

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME ---- Balcones Minerala Corp.

ADDRESS --- P. Q. DDrawer B Flatonia, Texas 78941

relephone no.--- 512/865-3544

PRODUCT TRADE NAME -- Absorb-N-Dry

Oil Dry

TECHNICAL NAME .-- Fuller Earth

FAMILY----Clay

CHARACTER ---- Calcined Ground Clay

FORMULA ---- Natural Earth Composition

HAZARDOUS INGREDIENTS --- None (No Additives)

Ph----Inert (Approx. 7)

BOILING POINT ---- Solids non liquid

SOLUBILITY --- No (Calcined) Will Not Dissolve Under Normal Con-

APPEARANCE -----Beige to Light White in Color

ODER ----None

VOLATILITY----None

EVAPORATION RATE --- Hone

SPECIFIC GRAVITY --- Unknown

FLASH POINT --- None

SPECIAL FIRE FIGHTING PROCEDURES --- None

UNUSUAL FIRE AND EXPLOSION HAZARDS --- None

THRESHOLD LIMITS --- Unknown

ENFECTS OF OVEREXPOSURE --- Note

SPECIAL EMERGENCY PROCEDURES --- None

FROM

HEALTH DATA---Cleansing---If Material Should Enter The Eye Area
Simply Flush Eye Area With Water Or Eye Wash Until
Material Escapes. (Thert-Simple Discomfort)

STABILITY---Yes.

DECOMPOSITION --- None

ABSORBENCY --- Approx. 100% By Weight

POLYMERIZATION --- Will Not Occur

INCOMPATABILITY --- Material To Other Products-None That Are Known

VENTILATION --- None

SPECIAL PROTECTIVE EQUIPMENT OR CLOTHING --- None

STEPS TO BE TAKEN IN CASE MATERIAL SPILLS --- Simply Sweep Up And St In Dry Place Until Use

CONDITIONS TO AVORD --- Material Should Be Kept Dry Until Used So That The Effectiveness Is At Its Fullest. Moisture Starts The Product To React.

SEMI-QUANTITATIVE SPECTROGRAPHIC ANALYSIS

ELEMENTS	APPROX: %
Aluminum	13.00
Parium .	Trace
Boron .	Trace
Calcium	3,00
Chromium	0.006
Copper	0.006
Iron	1.00
Magesium	2.00
l'anganese .	0.08
Nickel	Trace
Potassiúm	2.00
Silicon	28.00
Sodium	2.00
Strontium	Trace
Vanadium	0.05
Titanium	0.10
Zirconium	0.02
OXYGEN	BALANCE

District I
1625 N. French Dr., Hobbs, NM 88240
District III
1811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

SIGNATURE

TYPE OR PRINT NAME:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1995

DATE: 3-8-01

TELEPHONE NO. (505) 393-1079

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE Weatherford 4. Generator International 1. RCRA Exempt: Non-Exempt: \(\sqrt{} \) 400 W. Illinois Ave 5. Originating Site Verbal Approval Received: Yes · No Ste 1500, Midland, T $|\mathbf{x}|$ 6. Transporter Waste Management Controlled Recovery, Inc. 2. Management Facility Destination 8. State New Mexico 3. Address of Facility Operator P.O. Box 388, Hobbs Various Locations 7. Location of Material (Street Address or ULSTR) 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 03-008 Oilfield and plant waste generated through oilfield and plant operations. Enclosed is letter (see attached) to extend this process for the year 2001. Estimated Volume 124 cubic yds. yearlycy Known Volume (to be entered by the operator at the end of the haul)

(This space for State Use)	
LIFNIED -	ATE:
APPROVED BY: TITLE: DA	ATE:

TITLE: <u>Bookkeeper</u>

agmen

Carmella Van Maanen

Waste Management Facility Authorized Agent



26 January, 2001

Ken Marsh Controlled Recovery Inc. P.O. Box 388 Hobbs, N.M. 88241

Ref: Waste Material Profiles

Dear Ken:

Please find enclosed the profiles for the Weatherford facilities in West Texas and SE New Mexico. The waste streams include materials such as gloves, rags and absorbent which may contain very limited quantities of oil and/or grease generated from the normal work process of handling, wiping, etc. and the repairing, maintaining and servicing of oilfield tools and equipment.

The waste stream may also include plastic and metal containers which previously contained paint (water based and limited oil based), oils, lubricants, greases, hydraulic fluids, etc. All containers will be drained and/or dried to ensure minimal migration. In addition, containers will be crushed if possible to assist in space conservation in the landfill.

Included with this letter, please find various MSDS copies representative of the waste streams generated.

To my knowledge, these waste streams are free of hazardous wastes.

Should you have any questions or comments regarding this correspondence please call me at 915-683-1604. Thanks again for your help.

Regards

J. Tim Culver HSE Coordinator

Weatherford West Texas

cc: file

Drilling & Intervention Services

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

APPROVED BY:

APPROVED BY:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

DATE:

DATE:__

Submit Origina Plus 1 Copy to Appropriate District Office

Santa i e, inivi 67505	
REQUEST FOR APPROVAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Agave Energy Company/ Yates Petroleum Corp.
Verbal Approval Received: Yes No X	5. Originating Site 105 S. 4th Street Artesia, NM
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Field Compressor & Dehydration	Locations New Mexico
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary material is not-hazardous and the Generator's certification of origin. No waste class approved	essary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	rt.
BRIEF DESCRIPTION OF MATERIAL:	
03-009	
Lubricating oil filters-drained mixed with exempt waste generated throu oil & gas compressor stations.	ıgh
Enclosed is certificate of waste status and letter (see attached)	
Estimated Volume Unknown cy Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeep	per DATE: 3-7-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO(505) 393-1079
DENHED	
(This space for State Use)	

TITLE:

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Agave Energy Company/Yates Petroleum Corp.
ADDRESS 105 S. 4th Street, Artesia, NM 88210
GENERATING SITE Field Compressor Station & Dehydration locations
COUNTYSTATE_NM
TYPE OF WASTE Lubricating oil filters-drained mixed with exempt waste.
ESTIMATED VOLUME Unknown
GENERATING PROCESS Oil & Gas Compressor Stations
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY Unknown
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT SIGNATURE NAME Rusty Nasta
PRINTED ADDRESS 105 S. 4th Street
Artesia, NM 88210
DATE

AGAVE ENERGY COMPANY

105 South Fourth Street

Artesia. New Mexico 88210

(505) 748-4555

February 19, 2001

Fax (505) 748-4576

Controlled Recovery, Inc.

Attn: Ken Marsh

P. O. Box 388 Hobbs, NM

88241

RE:

Agave Energy Company/Yates Petroleum Corporation Compressor Lube Oil Filters

Dear Mr. Marsh:

Yates Petroleum Corporation and Agave Energy Company request permission to dispose of used oil filters at your facility.

These filters are compressor engine lubricating oil filters that have been drained in accordance with standard procedures and contain no known hazardous material. These filters will be coming from New Mexico Environmental Department permitted compressor facilities, primarily in Southeast New Mexico.

We will be transporting these compressor engine lubricating oil filters mixed with exempt filters from our other compressor facility operations.

If you have any questions regarding this request, please contact me at (505) 748-4555, or contact the Yates Petroleum Corporation, Environmental Coordinator for New Mexico, David Haggith at (505) 748-4223.

Sincerely,

Rusty Nasta

Field Operations Manager

Agave Energy Company

CC: Paul Ragsdale, Agave Energy Company Ed Perry, Agave Energy Company

David Haggith, Yates Petroleum Corporation

File

Eng/DavidH/Agave/LettersMisc/CRILubeOilFilters

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources APR

Oil Conservation Division

6 2001 Revised March 17, 1995

Submit Origina Plus 1 Copy to Appropriate District Office 1220 South St. Francis Dr. AMOSEWATION SHOP Santa Fe, NM 87505

REQUEST FOR APPROVAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Agave Energy Company/ Yates Petroleum Corp.
Verbal Approval Received: Yes No X	5. Originating Site 105 S. 4th Street Artesia, NM
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) Field Compressor & Dehydratio	Locations New Mexico
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All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:	
03-009	
Lubricating oil filters-drained mixed with exempt waste generated throu oil and gas compressor stations.	ngh
Enclosed is certificate of waste status, letter (see attached), analytical da and chain of custody.	ata,
Estimated Volume Unknown cy Known Volume (to be entered by the operation)	ator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeeper	DATE: 4-3-01
TYPE OR PRINT NAME: Carmella Van Maanen TELEP	HONE NO. (505) 393-1079
(This space for State Use)	
APPROVED BY: TITLE:	DATE:
APPROVED BY: TITLE: Source of the second sec	mmhl (00/10) DATE 4-10-01

CERTIFICATE OF WASTE STATE NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

AGAVE ENERGY CO.

COMPANY/GENERATOR Agave Energy Company/Yates Petrole	um Corp.
ADDRESS 105 S. 4th Street, Artesia, NM 88210	
GENERATING SITE Field Compressor Station & Dehydration	locations
COUNTYSTATE_NM	·
TYPE OF WASTE Lubricating oil filters-drained mixed wi	th exempt
ESTIMATED VOLUME Unknown	2 0 0 1
GENERATING PROCESS Oil & Gas Compressor Stations	
NMOCD FACILITY	
NMOCD FACILITY Controlled Recovery, Inc.	•
TRUCKING COMPANY Unknown	
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.	·
AGENT	
NAME Rusty Nasta PRINTED	
ADDRESS 105 S. 4th Street	
Artesia, NM 88210	
DATE	

This process valid for the year 2001.

105 South Fourth Street

Artesia, New Mexico 88210

(505) 748-4555

Fax (505) 748-4576

Controlled Recovery, Inc.

February 19, 2001

Attn: Ken Marsh P. O. Box 388 Hobbs, NM 88241

RE:

Agave Energy Company/Yates Petroleum Corporation Compressor Lube Oil Filters

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Sincerely,

Rusty Nasta

Field Operations Manager

Agave Energy Company

CC: Paul Ragsdale, Agave Energy Company

Ed Perry, Agave Energy Company

David Haggith, Yates Petroleum Corporation

File

Eng/DavidH/Agavc/LettersMisc/CRILubeOilFilters



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820 127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-25 Explanation of codes

AGAVE ENERGY CO. attn: RUSTY NASTA 105 S. 4TH ARTESIA, NM 88210

В	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-9	see footnote

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

AGAVE ENERGY CO. Client:

Project: 9907012

FILTER SAMPLES

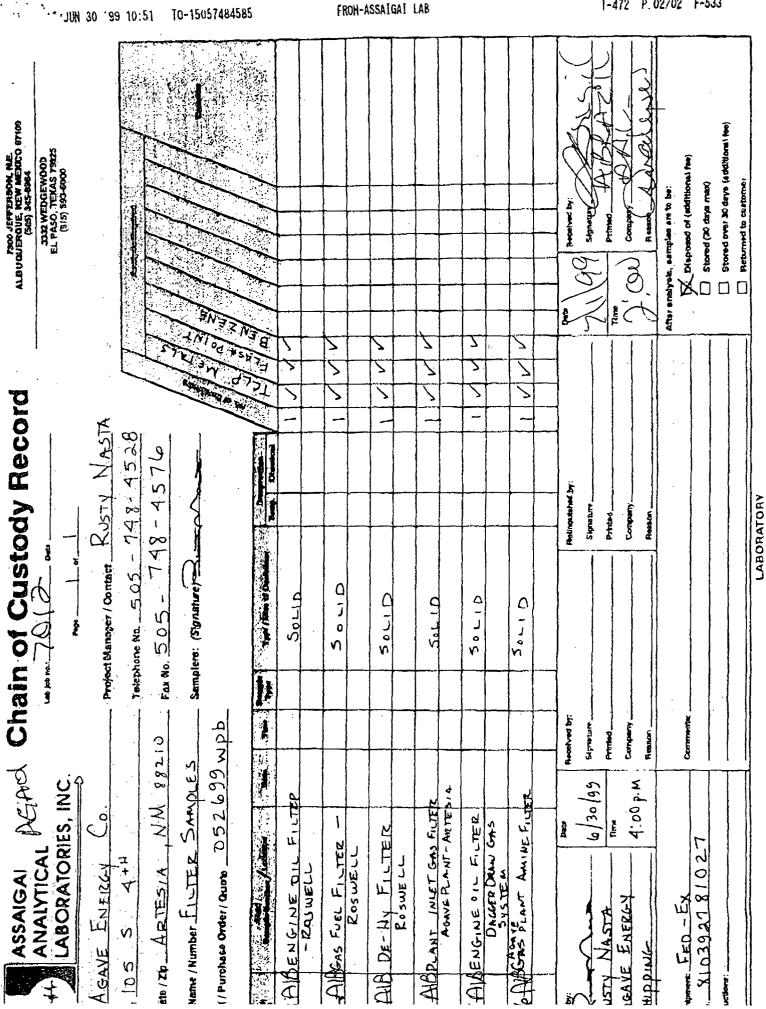
Client Sample ID	ENGINE OIL	FILTER	R-ROSWELL	Sample SO Matrix	LID			mple liected	
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9907012-0	1A	SW846 101	10						
SFL997	MT.1999.1585-2		Flashpoint	> 60	Deg C	1	20		07/06/9
9907012-0	1 A .	SW846-503	80A/8021 Purgeable VOCs by GC/P	ID-ELCD					
X99211	XG.1999.543-2	71-43-2	Benzene	ND	mg / Kg	50	0,005		07/09/9
99 07012- 0 499809	1B MW.1999.823-61	SW846 131	11/3010A/6010A ICP TCLP Arsenic	0.9	mg / L	1	0.1	T	07/16/9
9907012-0	-		م ، ده				-T	· · · · ·	
M99795	MW.1999.819-36	7440-39-3	Barium	ND	mg/L	1	0.1		07/14/9
M99795	MW.1999.819-36	7440-43-9	Cadmium	ND	mg/L	1	0.02		07/14/9
M99795	MW 1999 819-36	7440-47-3	Chromium	ND	mg/L	1	0.02		07/14/9
M99795	MW 1999.819-36	7438-92-1	Lead	0.06	mg/L	1	0.05		07/14/9
M99795	MW.1999.819-36	7782-49-2	Selenium	ND	mg/L	1	0,05		07/14/9
M99795	MW.1999.819-36	7440-22-4	Silver	ND	mg/L	1	0.04		07/14/9
9907012-0	1B	SW846 131	1/7470 CVAA TCLP	,,,,,,					
M99796	MT.1999.1633-4	7439-97-8		ND	mg/L	1	0,0002	T	07/15/9
C.	'R∓			And the second s	The serve was the second				
_	st-it® Fax Note	7671	Date 3-30-4 # of pages > 5						
To	CARMENT	f	From RUSTY NASTA						
Co.	/Dept.		CO. AGAUC						
Pho	one#		Phone # 505 626 7971]					
-		~	I	4					

457-2146

7/19/99 9:31:48 AM

Fax # 5053933415

FROH-ASSAIGAI LAB



Assaigal Analytical Laboratories, Inc.

Certificate of Analysis

Client: AGAVE ENERGY CO.

Project: 9907012 FILTER SAMPLES

Client Sample ID	GAS PLANT	AMINE FIL	TER	Sample SO	LID			nple lected	
000		C.C.#	- B polyto	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
QC Group	Run Sequence	CAS#	○ Analyte	Kesuk	Omes	i actor	Curre	4444	Duto
9907012-06	A	SW846 1010							
SFL997	MT.1999.1563-5		Flashpoint	> 60	Deg C	1	20		07/07/99
9907012-06 X99211	XG.1999.543-7	71-43-2	Benzene	0.83	mg / Kg	50	0.005		07/09/99
X99211			. 5 . · · · · · · · · · · · · · · · · ·		mg / Kg	50	0.005		07/09/99
9907012-06	В .	SW846 1311/30	10A/6010A ICP TCLP				· · · · · · · · · · · · · · · · · · ·		
		/	A ! -	ND	- ma / I	1 4			
M99809	MW.1999.823-58	7440-38-2	Arsenic	ND	mg/L	1	0.1		07/16/99
	MW.1999.823-58 MW.1999.819-43	7440-38-2 7440-39-3	Arsenic Barium	0.1	mg / L	1	0.1		**
M99795	1774	it is indigener reduction				1 1			07/14/99
M99795 M99795	MW.1999.819-43	7440-39-3	Barium	0.1	mg / L	1 1	0.1		07/16/99 07/14/99 07/14/99 07/14/99
M99795 M99795 M99795	MW.1999.819-43 MW.1999.819-43	7440-39-3 7440-43-9	Barium Cadmium	0.1 ND	mg / L mg / L	1 1 1	0.1		07/14/99 07/14/99
M99809 M99795 M99795 M99795 M99809 M99795	MW.1999.819-43 MW.1999.819-43 MW.1999.818-43	7440-39-3 7440-43-9 7440-47-3	Barium Cadmium Chromium	0.1 ND ND	mg/L mg/L mg/L	1 1 1 1 1 1	0.1 0.02 0.02		07/14/99 07/14/99 07/14/99
M99795 M99795 M99795 M99809 M99795	MW.1999.819-43 MW.1999.819-43 MW.1999.816-43 MW.1999.823-58	7440-39-3 7440-43-9 7440-47-3 7439-92-1	Barium Cadmium Chromium Lead	0.1 ND ND 0.09	mg/L mg/L mg/L mg/L	1 1 1 1 1 1 1	0.1 0.02 0.02 0.05		07/14/99 07/14/99 07/14/99 07/16/99
M99785 M99795 M99795 M99809	MW.1999.819-43 MW.1999.819-43 MW.1999.816-43 MW.1999.823-58 MW.1999.819-43 MW.1999.819-43	7440-39-3 7440-43-9 7440-47-3 7439-92-1 7752-49-2	Barium Cadmium Chromium Lead Selenium Silver	0.1 ND ND 0.09 ND	mg / L mg / L mg / L mg / L mg / L	1 1 1 1 1 1 1	0.1 0.02 0.02 0.05 0.05		07/14/99 07/14/99 07/14/99 07/16/99

2.0

^{***} Samplu specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. ***

^{***} ND = Not detected; less than the sample specific Detection Limit. Results relate only to the items tested. ***

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: AGAVE ENERGY CO.

Project: 9907012

FILTER SAMPLES

Client Sample ID	PLANT INLE	ET GAS FILT	<i>TER</i>	Sample SO Matrix	LID			mple Illected	
QC Group	Run Sequence	CAS#	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
10 0.01p									
907012-04		SW846 1010				,	20	· · · · · · · · · · · · · · · · · · ·	07/07/
SFL997	MT.1999.1563-3	! <u></u>	Flashpoint	> 60	Deg C	1		<u></u>	0,,0,,
907012-04	A	SW846 5030A/80	21 Purgeable VOCs by G	C/PID-ELCD					
(99211	XG 1999,557-1	71-43-2	Benzene	5.6	mg / Kg	91	0.005		07/09/
		· , · and management		active to the contract of the					
907012-04	В	SW846 1311/301	0A/6010A ICP TCLP		+,	· · · · · · · · · · · · · · · · · · ·			ı
199809	MW.1999,823-56	7440-38-2	Arsenic	ND	mg/L	1	0.1		07/16
199795	MW.1999.819-41	7440-39-3	Barium	ND	mg/L	11	0.1		07/14
199795	MW 1999,819-41	7440-43-9	Cadmium	ND	mg/L	1	0.02		07/14/
199795	MW, 1989,819-41	7440-47-3	Chromium	ND	mg/L	1	0.02		07/14
199795	MW,1899,819-41	7439-92-1	Lead	ND	mg/L	1	0.05		07/14/
199795	MW.1999.819-41	7782-49-2	Selenlum	ND	mg/L	1	0.05		07/14/
199795	MW.1999.819-41	7440-22-4	Silver	ND	mg / L	1	0.04		07/14
	n	SW846 1311/747	O CVAA TCLP						
907012-04	.н.								
199796 199796 Client	MT.1999.1633-9	7439-97-6	Mercury	ND Sample SO	mg/L	1	0.0002 Sa	mple	07/15/
199796		7439-97-6			mg/L	1	Sa	mple liected	07/15/
99796	MT.1999.1633-9	7439-97-6		Sample SO		1 Dilution	Sa		07/15/
lient ample ID	MT.1999.1633-9	7439-97-6		Sample SO		Dilution Factor	Sa Co		
lient ample ID	MT.1999.1633-9 ENGINE OIL Run Sequence	7439-97-6 FILTER	Mercury	Sample <i>SO</i> Mau'lx	LID		Sa Co Detection	liected	
199796	MT.1999.1633-9 ENGINE OIL Run Sequence	7439-97-6 FILTER CAS #	Mercury	Sample <i>SO</i> Mau'lx	LID		Sa Co Detection	liected	Run Date
Silient Silien	MT.1999.1633-9 ENGINE OIL Run Sequence MA MT.1999.1563-4	7439-97-6 FILTER CAS # SW846 1010	Mercury Analyte Flashpoint	Sample SO Matrix Result	<i>LID</i> Units		Sa Co Detection Limit	liected	Run
lient ample ID C Group 907012-05. FL997	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/86	Mercury Analyte Flashpoint 221 Purggable VOCs by G	Sample SO Matrix Result > 60 C/PID-ELCD	Units Deg C	Factor 1	Sa Co Detection Limit	liected	Run Date
lient ample ID C Group 907012-05. FL997	MT.1999.1633-9 ENGINE OIL Run Sequence MA MT.1999.1563-4	7439-97-6 FILTER CAS # SW846 1010	Mercury Analyte Flashpoint	Sample SO Matrix Result	<i>LID</i> Units		Sa Co Detection Limit	liected	Run Date
Nient ample ID 2C Group 907012-05. FL997 99211	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-8	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2	Mercury Analyte Flashpoint 221 Purggable VOCs by G	Sample SO Matrix Result > 60 C/PID-ELCD	Units Deg C	Factor 1	Sa Co Detection Limit	liected	Run Date
lient ample ID 3C Group 907012-05 FL997 907012-05	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-8	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2	Analyte Flashpoint 21 Purggable VOCs by G	Sample SO Matrix Result > 60 C/PID-ELCD	Units Deg C	Factor 1	Sa Co Detection Limit	liected	Run Date 07/07/
lient ample ID 2C Group 907012-05 997012-05 99211	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2 SW846 1311/301	Analyte Flashpoint 21 Purgaable VOCs by G Benzene 0A/6010A ICP TCLP	Sample SO Matrix Result > 60 C/PID-ELCD ND	Units Deg C mg / Kg	Factor 1 30	Sa Co Detection Limit 20	liected	Run Date 07/07/07/07/09/07/16/07/07/16/07/16/07/16/07/16/07/16/07/16/07/16/07/
99796 lient ample ID C Group 907012-05 FL997 907012-05 99211 907012-05	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2	Analyte Flashpoint 21 Purgaable VOCs by G Benzene 0A/6010A ICP TCLP Arsenic	Sample SO Matrix Result > 60 C/PID-ELCD ND	Units Deg C mg / Kg mg / L mg / L	1 30 1	Sa Co Detection Limit 20 0.005	liected	O7/09/
99796 lient ample ID C Group 907012-05 907012-05 99211 907012-05 99809 99795	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2 SW846 1311/301 7440-38-2 7440-39-3	Analyte Flashpoint 221 Purggable VOCs by G Benzene 0A/6010A ICP TCLP Arsenic Barlum	Sample SO Matrix Result > 60 C/PID-ELCD ND ND 0.2	Units Deg C mg / Kg mg / L	30 1 1 1	Sa Co Detection Limit 20 0.005	liected	Run Date 07/07/ 07/09/ 07/14 07/14
99796 Jient ample ID C Group 907012-05 907012-05 99211 907012-05 99809 99795	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57 MW.1999.819-42 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9	Analyte Flashpoint 21 Purgeable VOCs by G Benzene 0A/5010A ICP TCLP Arsenic Barlum Cadmium Chromium	Sample Matrix Result > 60 C/PID-ELCD ND ND 0.2 ND ND	Units Deg C mg / Kg mg / L	30 1 1 1	Sa Co Detection Limit 20 0.005	liected	Run Date 07/07/
99796 lient ample ID C Group 907012-05 997012-05 99809 99795 99795 99795	MT.1999.1633-9 ENGINE OIL Run Scquence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/80 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9 7440-47-3	Analyte Flashpoint 21 Purgaable VOCs by G Benzene 0A/6010A ICP TCLP Arsenic Barlum Cadmium Chromium Lead	Sample SO Matrix Result > 60 C/PID-ELCD ND ND 0.2 ND ND ND ND	Units Deg C mg / Kg mg / L	1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sa Co Detection Limit 20 0.005 0.1 0.1 0.02 0.02 0.05	liected	O7/09/ O7/16 O7/14 O7/14 O7/14
illent Sample ID QC Group	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-92-1 7762-49-2	Analyte Flashpoint D21 Purggable VOCs by G Benzene OA/6010A ICP TCLP Arsenic Barlum Cadmium Cadmium Chromium Lead Selenium	Sample SO Matrix Result > 60 C/PID-ELCD ND ND 0.2 ND ND ND ND ND ND ND	Units Deg C mg / Kg mg / L 30 1 1 1	Sa Co Detection Limit 20 0.005 0.1 0.1 0.02 0.02 0.05 0.05	liected	07/09/ 07/16. 07/14. 07/14. 07/14.	
lient ample ID 907012-05 FL997 907012-05 99211 907012-05 99809 199795 199795 199795	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-47-3 7439-92-1	Analyte Flashpoint 21 Purgaable VOCs by G Benzene 0A/6010A ICP TCLP Arsenic Barlum Cadmium Chromium Lead	Sample SO Matrix Result > 60 C/PID-ELCD ND ND 0.2 ND ND ND ND	Units Deg C mg / Kg mg / L	1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sa Co Detection Limit 20 0.005 0.1 0.1 0.02 0.02 0.05	liected	Run Date
lient ample ID 2C Group 907012-05 FL997 907012-05 99211 907012-05 99809 199795 199795 199795	MT.1999.1633-9 ENGINE OIL Run Sequence A MT.1999.1563-4 A XG.1999.543-6 B MW.1999.823-57 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42 MW.1999.819-42	7439-97-6 FILTER CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-92-1 7762-49-2	Analyte Flashpoint 221 Purggable VOCs by Gr Benzene 0A/6010A ICP TCLP Arsenic Barlum Cadmium Chromium Lead Selenium Silver	Sample SO Matrix Result > 60 C/PID-ELCD ND ND 0.2 ND ND ND ND ND ND ND	Units Deg C mg / Kg mg / L 1 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sa Co Detection Limit 20 0.005 0.1 0.1 0.02 0.02 0.05 0.05	liected	07/09/ 07/16. 07/14. 07/14. 07/14.	

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Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: AGAVE ENERGY CO.

Project: 9907012 FILTER SAMPLES

llent (GAS FUEL P	ILTER-ROS	WELL	Sample SO	LID		Sa: Co	llected	
ample ID						Dilution	Detection		Run
C Group	Run Sequence	CAS#	Analyte	Result	Units	Factor	Limit	Code	Date
907012-024	A	SW846 1010				,	·		07/00/0
FL997	MT.1999.1565-3		Flashpoint	23	Deg C	11	20	لـــــا	07/06/9
907012-02	A	SW846 5030A/80	21 Purgeable VOCs by G	C/PID-ELCD		F 20 4 2 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2			4=1001
99211	XG.1899.543-3	71-43-2	Benzene	0.68	mg / Kg	83	0,005	1	07/09/9
907012-028	B	SW846 1311/301	0A/6010A ICP TCLP						,
29809	MW.1999.823-54	7440-38-2	Arsenic	2.6	mg/L	11	0.1		07/16/
99795	MW.1999.819-37	7440-39-3	Barium	0.5	mg / L	1	0.1		07/14/
89795	MW.1999,819-37	7440-43-9	Cadmium	0.207	mg/L	1	0.02		07/14/
99795	MW.1999,819-37	7440-47-3	Chromium	ND	mg / L	1	0.02		07/14/
199795	MW.1999.819-37	7439-92-1	Lead	0.22	mg/L	1	0.05		07/14/
199795	MW,1999.819-37	7782-49-2	Selenium	ND	mg/L	1	0.05		07/14/
99795	MW.1999.819-37	7440-22-4	Silver	ND	mg/L	1	0.04		07/14/
	_	SW846 1311/747	O CVAA TCLP						
207017.025	•								1
99796	MT.1999,1633-7	7439-97-6	Mercury	0,0045	mg/L	1		imple	07/15/
99796 ient		7439-97-6	Mercury	- A	mg/L	1	Sa	imple ollected	
99796 lient ample ID	MT.1999.1633-7 DE-HY FILT	7439-97-6 ER ROSWE	Mercury	Sample SO Matrix	LID	Dilution Factor	Sa Co Detection	bliected	Run
ent ent emple ID C Group	MT.1999.1633-7 DE-HY FIL T Run Sequence	7439-97-6 ER ROSWE	Mercury	Sample SO		Dilution Factor	Sa Cc	bliected	Run
99796 lient ample ID IC Group 907012-03/	MT.1999,1633-7 DE-HY FILT Run Sequence	7439-97-6 ER ROSWE	Mercury LL Analyte	Sample SO Matrix Result	LID Units	Factor	Sa Co Detection Limit	bliected	Date
99796 lient ample ID IC Group 907012-03/	MT.1999.1633-7 DE-HY FIL T Run Sequence	7439-97-6 ER ROSWE	Mercury	Sample SO Matrix	LID		Sa Co Detection	bliected	Run Date
99796 lient ample ID IC Group 907012-03/	MT.1999.1633-7 DE-HY F/L.T. Run Sequence A MT.1999.1565-5	7439-97-6 ER ROSWE CAS # SW846 1010	Mercury LL Analyte	Sample SO Matrix Result	LID Units	Factor	Sa Co Detection Limit	bliected	Run Date
99796 ient ample ID C Group 907012-03/	MT.1999.1633-7 DE-HY F/L.T. Run Sequence A MT.1999.1565-5	7439-97-6 ER ROSWE CAS # SW846 1010	Mercury LL Analyte Flashpoint	Sample SO Matrix Result	LID Units	Factor	Sa Co Detection Limit	bliected	Run
99796 dient ample ID IC Group 907012-03/ FL997 907012-03/	MT.1999.1633-7 DE-HY FIL.T. Run Sequence A MT.1999.1565-5 A XG.1999:543-4	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2	Mercury LL Analyte Flashpoint O21 Purgeable VOCs by G	Sample SO Matrix Result > 60 C/PID-ELCD	Units Deg C	Factor	Sa Cc Detection Limit	bliected	Run Date
99796 Ident IC Group 907012-03/ 907012-03/	MT.1999.1633-7 DE-HY FIL.T. Run Sequence A MT.1999.1555-5 A XG.1999:543-4	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene	Sample SO Matrix Result > 60 C/PID-ELCD	Units Deg C mg / Kg	Factor	Sa Cc Detection Limit	bliected	Run Date
99796 Jent Ample ID Group 907012-03/ 99211 907012-03/ 99209	MT.1999.1633-7 DE-HY FIL.T Run Sequence A MT.1999.1565-5 A XG.1999:543-4	CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic	Sample SO Matrix Result > 60 C/PID-ELCD ND	Units Deg C	Factor 1 33	Sa Co Detection Limit 20	bliected	Run Date 07/06
eni ieni ample ID C Group 907012-03/ 907012-03/ 99211 907012-03/ 99809 99795	MT.1999.1633-7 DE-HY FIL.T. Run Sequence A MT.1999.1555-5 A XG.1999:543-4 B MW.1999.823-55	CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene	Sample SO Matrix Result > 60 C/PID-ELCD ND	Units Deg C mg / Kg	Factor 1 33	Detection Limit 20 0.005	bliected	Run Date 07/08
99796 ient ample ID C Group 907012-03/ 907012-03/ 99211 907012-03/ 99800 99795	MT.1999.1633-7 DE-HY FIL.T. Run Sequence MT.1999.1565-5 A XG.1999:543-4 B MW.1999.823-55 MW.1999.819-38	CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2	Mercury LL Analyte Flashpoint 021 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium	Sample SO Matrix Result > 60 C/PID-ELCD ND ND ND	Units Deg C mg / Kg mg / L mg / L	Factor 1 33	20 0.005 0.1 0.1	bliected	Run Date 07/06 07/16 07/14
99796 iient ample ID IC Group 907012-03/ 907012-03/ 99211 907012-03/ 99809 99795 99795	MT.1999.1633-7 DE-HY FILT Run Sequence MT.1999.1565-5 A XG.1999.543-4 B MW.1999.823-55 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium Cadmium Chromium	Sample SO Matrix Result > 60 C/PID-ELCD ND ND ND ND ND	Units Deg C mg / Kg mg / L mg / L mg / L	1 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 Detection Limit 20 0.005	bliected	Run Date 07/06 07/09 07/16 07/14 07/14
99796 iient ample ID C Group 907012-03/ 90211 907012-03/ 99211 907012-03/ 99295 99795	MT.1999.1633-7 DE-HY FILT Run Sequence MT.1999.1555-5 MX.1999.543-4 B MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9 7440-47-3	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium Cadmium Chromium Lead	Sample SO Matrix Result > 60 C/PID-ELCD ND ND ND ND ND ND ND ND	Units Deg C mg / Kg rng / L mg / L mg / L mg / L rng / L rng / L	33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 Detection Limit 20 0.005 0.1 0.1 0.02 0.02	bliected	07/09 07/09 07/16 07/14 07/14
99796 ient ample ID C Group 907012-03/ 99211 907012-03/ 99219 99795 99795 99795 99795	MT.1999.1633-7 DE-HY FILT Run Sequence MT.1999.1565-5 A XG.1999.543-4 B MW.1999.823-55 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-47-3 7439-92-1	Mercury LL Analyte Flashpoint 921 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium Cadmium Chromium	Sample Matrix Result > 60 CIPID-ELCD ND ND ND ND ND ND ND ND ND	Units Deg C mg / Kg mg / L	33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 Detection Limit 20 0.005 0.1 0.01 0.02 0.02 0.05	bliected	07/09 07/09 07/16 07/16 07/14 07/14 07/14
lient ample ID IC Group 907012-03/ 907012-03/ 99211 907012-03/ 199809 199795 199795 199795 199795	MT.1999.1633-7 DE-HY FILT Run Sequence MT.1999.1565-5 MW.1999.823-55 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38	7439-97-6 ER ROSWE CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-47-3 7439-92-1 7782-49-2 7440-22-4	Mercury LL Analyte Flashpoint 021 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium Silver	Sample SO Matrix Result > 60 C/PID-ELCD ND ND ND ND ND ND ND ND ND	Units Deg C mg / Kg rng / L mg / L	1 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.005 Detection Limit 20 0.005 0.1 0.0 0.02 0.05 0.05	bliected	Run Date 07/06
907012-021 199796 Slient Jample ID 2C Group 1907012-034 1997012-034 199809 199795 199795 199795 199795 199795 199795	MT.1999.1633-7 DE-HY FILT Run Sequence MT.1999.1565-5 MW.1999.823-55 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38 MW.1999.819-38	CAS # SW846 1010 SW846 5030A/86 71-43-2 SW846 1311/301 7440-38-2 7440-39-3 7440-43-9 7440-47-3 7439-92-1 7782-49-2	Mercury LL Analyte Flashpoint 021 Purgeable VOCs by G Benzene 10A/6010A ICP TCLP Arsenic Barium Cadmium Chromium Lead Selenium Silver	Sample SO Matrix Result > 60 C/PID-ELCD ND ND ND ND ND ND ND ND ND	Units Deg C mg / Kg rng / L mg / L	1 33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.005 Detection Limit 20 0.005 0.1 0.0 0.02 0.05 0.05	bliected	07/106 07/106 07/106 07/14 07/14 07/14

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NEW MEXICO ENERGY, MENERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor
Jennifer A. Salisbury
Cabinet Secretary

May 10, 2001

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL RETURN RECEIPT NO. 7099-3220-0000-5051-2337

Mr. Ken Marsh Controlled Recovery, Inc. P.O. Box 388 Hobbs, NM 88241-0388

RE:

Controlled Recovery, Inc. Permit NM-01-0006

S/2 N/2 and the N/2 S/2 Section 27, Township 20 South, Range 32 East, NMPM

Lea County, New Mexico

Dear Mr. Marsh:

The New Mexico Oil Conservation Division (OCD) has received the Controlled Recovery Inc's (CRI) "Request for Approval to Accept Solid Waste" Form C-138, CRI tracking No. 04-004, regarding oilfield solid waste containing mud sacks, non-hazardous and household trash. The OCD hereby approves that this waste stream may be disposed of at CRI pursuant to Permit NM-01-0006 with the following permit condition:

(a) Any trash accepted into the facility containing paper, paper bags or other trash that has the potential for blowing away or being transported by other vectors must be covered with soil upon the day of delivery and disposal into the solid waste pit.

Please be advised that approval to accept these wastes does not relieve CRI of liability should your operation result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve CRI of responsibility for compliance with other federal, state or local laws and/or regulations.

If you have any questions please do not hesitate to contact me at (505) 476-3490.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

RCA/mjk

xc with attachments:

Hobbs OCD Office

1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. RECEIVED

Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate

Environmental Bureau Oil Conservation Division Santa Fe, NM 87505

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator Hobbs Rental Corp. Non-Exempt: 1. RCRA Exempt: 5. Originating Site P.O. Box 905 Verbal Approval Received: X Hobbs, NM 88240 6. Transporter Hobbs Rental Corp. 2. Management Facility Destination Controlled Recovery, Inc. New Mexico 8. State 3. Address of Facility Operator P.O. Box 388, Hobbs 7. Location of Material (Street Address or ULSTR) Various Oilfield Locations New Mexico 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B.)All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: 04-004 Oilfield solid waste generated through oilfield operations. Enclosed is a certificate of waste status and letter (see attached) to extend this process for the year 2001. Estimated Volume appx. 100 yds. monthly Known Volume (to be entered by the operator at the end of the haul) Bookkeeper SIGNATURE DATE: 4-23-01 aanon) TITLE: Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)		
APPROVED BY:	TITLE:	DATE:
APPROVED BY	TITLE Environmental bookset	DATE 5-0-01

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Hobbs Rental Corp.
ADDRESS P.O. Box 905, Hobbs, NM 88240
GENERATING SITE Various oilfield locations
COUNTY Lea STATE NM
TYPE OF WASTE Non-hazardous oilfield solid waste
ESTEMATED VOLUME appr. 100 yards monthly
GENERATING PROCESS Generated through oilfield operations
for the year 2001.
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY Hobbs Rental Corp.
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so us to make the resultant mixture a "lisaardous waste" pursuant to the provisions of 40 CFR, Sections 2613. AGENT OLUM PRINTED
ADDRESS P.O. Box 905
Hobbs, NM 88240
DATE 4-23-01

Hobbs Rental Corp. P.O. Box 905 Hobbs, NM 88240

April 20, 2000

Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

We operate two to three trash trailers that are leased to drilling contractors for the purpose of collecting trash generated at drilling locations.

These trailers will contain mud sacks, non-hazardous and household trash, non-hazardous.

These trailers have previously been dumped at municipal landfills and will not contain any hazardous materials.

Sincerely,

Hobbs Rental Corp.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources UL CONSERVATION DIV. Oil Conservation Division

Oil Conservation Division

1220 South St. Francis Dr.
Santa Fe, NM 87505 PH 3: 13

Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ Services
Verbal Approval Received: Yes No X	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2401 Sivley, Artesia, New	Mexico
one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by nematerial is not-hazardous and the Generator's certification of origin. No waste class approved All transporters must certify the wastes delivered are only those consigned for transporters DESCRIPTION OF MATERIAL:	sified hazardous by listing or testing will be
04-001	
Wash rack sludge. Washing dirt and mud off of servicing equipment.	
Enclosed is certificate of waste status and copy of previous C-138. This material has been approved in the past.	

	1			
SIGNATURE <u>(Waynello</u> Waste Manager	o Oan Maneno nent Facility Authorized Agent	TITLE: _	Bookkeeper	DATE: 4-12-01
TYPE OR PRINT NAME:	Carmella Van Maanen		TELEPHONE NO	(505) 393-1079
This space for State Use)				
APPROVED BY:	7.7	TITLE:	-	DATE:
APPROVED BY MALE	u 024 '	man e	Environ und	J - DITE 4-11-01

Known Volume (to be entered by the operator at the end of the haul) _____cy

400 bbls.__cy

Estimated Volume

CKI

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR BJ Services
ADDRESS 2401 Sivley, Artesia, NM
GENERATING SITE Artesia Facility
COUNTY Eddy STATE NM
TYPE OF WASTE Wash Rack Sludge
ESTIMATED VOLUME 400 bbls.
GENERATING PROCESS Washing dirt and mud off of
servicing equipment.
REMARKS
TRUCKING COMPANY CRI
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT Jerry Soutton
NAME Perry Britton
PRINTED ADDRESS 2401 Sivley
Artesia, NM 88210
DATE 4-12-01

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

APPROVED BY:

APPROVED BY Minter

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised March 17, 199 Submit Origin Plus I Cor

DATE:

DATE 2-23-

to Appropriate District Office

Form C-13

REQUEST FOR APPROVAL TO ACCEPT S	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator BJ Services
Verbal Approval Received: Yes No 🔀	5. Originating Site Artesia Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2401 Sivley, Artesia	New Mexico
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by nec material is not-hazardous and the Generator's certification of origin. No waste class approved	essary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transpor	т
BRIEF DESCRIPTION OF MATERIAL:	
02-007 Wash rack sludge. Washing dirt and mud off of servicing equipment.	
Enclosed is certificate of waste status and copy of previous C-138. This material has been approved in the past.	
Estimated Volume 300 bbls. cy Known Volume (to be entered by the operate SIGNATURE Atmellation Magnes TITLE: Bookkeepe	
Waste Management Facility Authorized Agent	DAIL. <u>2-21-01</u>
TYPE OR PRINT NAME: Cannella Van Maanen TELEPH	IONE NO. <u>(505) 393-1079</u>
(This space for State Use)	

TITLE:

District J 1625 N. French Dr., Hobbs, NM 88240 District II 811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources RECEIVED

Oil Conservation Division APR 2 5 2001 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit Origina Plus 1 Copy to Appropriate District Office

Form C-138 Revised March 17, 1999

Environmental Bureau Oil Concernation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

REQUEST FOR ALL ROVAE TO ACCELLE	JOHN WINDER
1. RCRA Exempt: Non-Exempt: X	4. Generator Star Tool Co.
Verbal Approval Received: Yes No X	5. Originating Site 1000 NW County Rd. Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 1000 NW County Rd., Hobbs	New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessarial is not-hazardous and the Generator's certification of origin. No waste class approved All transporters must certify the wastes delivered are only those consigned for transposed BRIEF DESCRIPTION OF MATERIAL:	cessary chemical analysis to PROVE the sified hazardous by listing or testing will be
04-002 300 bbls. wash water 04-003 20 yards of sludge I am enclosing a certificate of waste status, previous C-138, previous analytical data and chain of custody on both, 300 bbls. of wash water are 20 yards of sludge generated from steam cleaning tools, and letter of request (see attached)	nd
Estimated Volume <u>see above</u> cy Known Volume (to be entered by the operation of the second of the se	
(This space for State Use) APPROVED BY: TITLE: APPROVED BY: TITLE: LAULGINGER	DATE: Lagra DATE: 5-1-01

735053933615

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY/GENERATOR Star Tool Co.
ADDRESS 1000 NW County Rd., Hobbs, NM
GENERATING SITE Same as above
COUNTY Lea STATE NM
TYPE OF WASTE Waste water and sludge
ESTIMATED VOLUME 300 bbls 20 yards
GENERATING PROCESS Steam cleaning and washing of
oilfield tools
REMARKS
NMOCD FACILITY Controlled Recovery, Inc.
TRUCKING COMPANY CRI
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.
AGENT O. J. WOLLAND
NAME OSCAP). MO(N)A PRINTED ADDRESS P.O. Box 2008
Hobbs, NM 88240
DATE 4-16-01

District 1 - (505) 393-6161 ? O. Box 1980 ilobbs, NM 88241-1980 District II - (505) 748-1283 311 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road \ztec, NM 87410 Dis

APPROVED BY: Marlino Phil.

New Mexico Ener Minerals and Natural Resource Department Oil Conservation Division

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

RECEIVED

TITLE: Environmente | Goderan DATE: 9-22-00)

SEP 2 2 2000

Environmental Bureau

Form C-Originated 8/.

> Submit Orig Plus I C to appropi District O:

strict 1V - (505) 827-7131	Oil Conservation Division
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Star Tool Co.
Verbal Approval Received: Yes 🔲 No 🔀	1000 NW County Rd. 5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 1000 NW County Rd., Hobb	s New Mexico
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned.	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
BRIEF DESCRIPTION OF MATERIAL:	
09-001 200 bbls. wash water 09-002 20 yards of sludge I am enclosing Certificate of waste status, previous C-138, previous analytical and chain of custody on both, 200 bbls. of wash water and 20 yards of sludge generated from steam cleaning tools, and letter of request (see attached).	
Estimated Volume See above cy Known Volume (to be entered by the open SIGNATURE: About Manual TITLE: Bookkeepe Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TELI	
(This space for State Use)	la dif

H. Don Rodgers Star Tool Co. 1000 NW County Rd. Hobbs, NM 88240

Controlled Recovery Inc. P.O.Box 388 Hobbs, NM 88241

Ken;

We are requesting removal of waste water and sludge generated at this site. We are also requesting that analytical data previously run be used to determine status of waste. The process of generating this waste has not changed. We have files containing analytical data for 3 consecutive years that can be made available to anyone that might need it. Your attention in this matter is greatly appreciated.

Sincerely

H. Don Rodgers

Sent By: TRACEANALYSIS;

7941298;

19 Aug 99 4:55PW;Job 315;Page 7/8



6/U1 Aberdoen Avenue, Suite 9 4725 Ripley Avanue, Suite A

El Paso, Taxes 79922 88H=588+3443

806+/84+1296

FAX 1/06 • 784 • 1290

E-Mail: lab@traceanalysis.com

915-585-3443 IAX 815-585-4944

ANALYTICAL RESULTS FOR STAR TOOL Attention: Don Rodgers P.O. Box 2008 Hobbs, NM 88240

August 18, 1999 Receiving Date: 8/4/99 Sample Type: Sludge Project No: N/A Project Location: N/A

Extraction Date: 8/11/99 Analysis Dete: 8/12/99 Sampling Date: 8/4/99 Sample Condition: Intact & Cool

Sample Received by: NG Project Name: Yearly Analysis

Solids -BOP Sump								
TCLP VOLATILES (mg/L)	EPA LIMIT	Reporting Limit	T128328 Conc.	QC	RPD	%EA	%(A	
Vlnyl chloride	0.20	0.05	ND	97	6	82	97	
1,1-Dichloroethene	0.70	0.05	ND	102	5	98	102	
Methyl Ethyl Ketone	200.0	0.5	ND	110	10	106	110	
Chloroform	6.00	0.05	ND	103	4	100	103	
1,2-Dichloroethane	0.50	0.05	NO	104	6	112	104	
Benzene	0.50	0.05	ND	102	4	100	102	
Carbon Tetrachloride	0.50	0.05	ND	120	15	98	120	
Trichloroethene	0.50	0.05	NO	101	3	92	101	
Tetrachloroethene	0.70	0.05	ND	97	3	86	97	
Chlorobenzene	100.00	0.05	ND	97	4	95	97	
1,4-Dichiorobenzene	7.50	0.05	ND	84	6	101	84	

SURROGATES	% Recover
Dibromofluoromethane	112
Toluene-d8	88
4-Bromofluorobenzene	97

ND = Not Detected

METHODS: EPA SW 846-1311, 8260B.

CHEMIST: JG

8-15-55

STAR TOOL CO

Director, Dr. Blair Leftwich

DATE



6701 Aberdenn Avenuc, Suite 9 4725 Ripley Avenue, Suite A Lubbock, Taxas 79424 KUQ-378-1298 BOG-794-1246 El Paso, Texas 79927 888-588-3443 - 915-585-3443

FAX 808 • /54 • 1298 FAX 915 • 585 • 4944

E-Mail leb@traceanelysis.com

ANALYTICAL RESULTS FOR

STAR TOOLS

August 19, 1999 Receiving Date: 08/04/99

Sample Type: Sludge

Project No: N/A
Project Location: N/A

Project Name: Yearly Analysis

Attention: Don Rogers

P. O. Box 2008

Hobbs, NM 88241

Set Date: 08/05/99

Extraction Date: 08/06/99 Analysis Date: 08/10/98 Sampling Date: 08/04/99 Sample Condition: (& C

Sample Received by: VW

TCLP Semi-Valetiles	EPA	Reporting	T129329				
(mg/L)	Limit	Limit	Solids BOP	QC	RPD	%EA	%IA
			Sump				
Pyridine	5.0	0.05	ND	63	6	57	104
1,4-Dichlorobenzene	7.5	0.05	ND	58	12	72	97
o-Cresol	200,0	0,05	ND	57	4	80	95
m,p-Cresol	200.0	0.05	ND	58	5	78	96
Hexachforoethane	3.0	0,05	ND	59	13	72	88
Nitrobenzene	2.0	0.05	ND	67	6	82	95
Hexachlorobutadiene	0.5	0.05	ND	52	11	69	85
2,4,6-Trichlorophenol	2.0	0.05	DN	55	11	88	92
2,4,5-Trichlorophenol	400.0	0.05	ND	57	1	87 .	95
2,4-Dinitrotoluene	0.13	0.05	ND	65	3	85	108
2,4-D	10.0	0.05	מא	81	8	79	102
Hexachlorobenzene	0.13	0.05	מא	54	8	101	89
2,4,5-TP	1.0	0.05	ND	56	4	91	93
Pentachlorophenol	100.0	0.05	מא	68	1	99	96

Surrogatos	% RECOVERY
2-Fluorophenol	49
Phenol-d6	31
Nitrobenzene-d5	86
2-Fluorobiphenyl	84
2,4,6-Tribromophenol	88
Terphenyl-d14	91

ND - Not Detected

Methods: EPA SW 846-1311, 8270.

CHEMIST: LK

Director, Dr. Blair Leftwich

4-19-99

Date

Sent By: TRACEAN	ALYSIS;	7941298.	19 Aug'99 4:54	PM;Job 315;Page 3/8
JACKEL DOLLAND	Sampling Date: 08/04/99 Sample Condition: 1 & C Sample Received by: VW Project Name: Yearly Analysis	Hg (mg/L) 0.20 <0.010 0.00487 0.00498	3 96 98 98 08/1/0/99	
		Ва (mg/L) 100.0 0.22 1.02 1.00	2 98 (01 18/05/59 08/11/99	8
	<u>«</u>	Ag (mg/L) 5.0 c 0.05 c 0.05	0 100 88 08/11/89	2-15-55
INCALLES	o META	Pb (mg/L) 5:0 <0.10 1.01 0.39	2 98 100 08/05/89 08/11/99	
TRACEANALYSIS, INC.	T3.	52 22 32 32 34 35	1 101 101 08/05/99 08/11/89	Hg SPIKE: 0.050 Hg CV: 0.0050
SEANA L. Teres 78474 F. Teres 7852 E. Hait, 181022	ANALYTICAL F STAR TOOLS Aftention: Don P. O. Box 2008 Hobbs, NM 88	(mg/L) 1.0 6.02 0.02 0.02	701 102 08/05/99 08/11/39	2.5 mg/L Ag + 0.20 mg/L Ag +
Ante Libber 1		(mg/L) 1.0 40.10 1.03 1.02 2	104 102 08/05/99 08/11/99	
5731 Aberteen Avenue, Saine 5		As (mg/L) 5.0 <0.10 1.02 1.01 0.10	104 101 08/05/39 08/11/39 108, 7470A	a: RR Hg: BP Sa, Cd, Cr, Pb, B Sa, Cd, Cr, Pb, B
JULICULUL ILA LA L	August 19, 1999 Receiving Dale: 08/04/99 Sample Type: Studge Project No: N/A Project Location: N/A	FIELD CODE EPALIMIT = Solds-BOP Sump IG LIMIT	METHODS: EPA SW 846-1311, 6010B, 7470A	TCLP METALS SPIKE: 10 mg/L As, Se Cd, Cr, Pp, Bg TCLP METALS SPIKE: 10 mg/L As, Se Cd, Cr, Pp, Bg TCLP METALS CV: 1.0 mg/L As, Se, Cd, Cr, Pb, Bg Director, Dr. Blair Leftwich
	August 19, 1999 Receiving Date: Sample Type: Si Project No: N/A Project Location:	TA# FIEL EPP T128329 Solids. ICV CCV CCV REPORTING LIMIT RPD % Extraction arounds.	% Instrument Acc PREP DATE ANALYSIS DATE METHODS: EPA	TCLP META

ביי זיי ניין בין נאנארטלי ייר ייבי		ANAIVITY IAINA	Heso, lega 1992 - 886-589-3443 E-Vádi: bóotraceara ysis.com	300 000 000 000 000 000 000 000 000 000				
August 18, 1999 Receiving Date: 8/4/99 Sample Type: Studge Project No: N/A Project Location: N/A		STAR TOOL Attention: Don Rodgers P.O. Box 2008 Hobbs, NM 88240	ANALYTICAL RESULTS FOR STAR TOO! Attenton: Don Rodgers P.O. Box 2008 Hobbs, NM 88240	r	Extraction Date: 8/12/99 Analysis Date: 8/12/99 Sampling Date: 8/4/99 Sample Condition: Intact 8 Sample Received by: NG Project Name: Yearly Ana	Extraction Date: 8/12/39 Analysis Dale: 8/12/99 Sampling Date: 8/4/39 Sample Condition: Intact & Cool Sample Received by: NG Project Name: Yearly Analysis	O 됩 20 항	
Ē	Field Code	REACTIVITY	SULFIDES (ppm)	CYANIDES (ppm)	CORROSIVITY (mm/y)	7d (3.U.8)	IGNITABILITY	
EP/ Solids	EPALIMIT = Solids-BOP Sump	Non-reactive	500 <10	250	>6.5 mm/yr. Non-corrosive	<2 >12.5 8.06	Nonignitable	
Qual	Quality Control	1	}	i	***	1	l	
RPD % Extraction Accuracy % Instrument Accuracy		0 100	0 8	100	0 6	0 100	0 100	
METHODS; EPA SW 846-Chapter 7 CHEMIST; JM	napter 7 7.3, Chapter 7 7.2,	7.3, Chapter 7 7.2, Chapter 7 7.1.	ther 7 7.1.		8-19-28	<i>~</i>		•

THE THE THE COUNTY OF THE COUN	7941298;	20 Aug'99 10:11AM;Job 323;Fage 1/1
Sent By: TRACEANALYSIS;		See of the
rigushed by:		arot Aborther Average, Sta. 9 Libract, Tairs 73:24 Listop 744-726 fai (200) 744-726 fai (200) 744-726 fai (200) 746-1226 Impany Norther (A) Idress: (Styret, Cily, 2 Idress
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4:05 jm	The second	1725 Rusby Dr. Sie A EP Paso, Fandry Dr. Sie A EP Paso, Fandry Dr. Sie Susception Tol (915) 585-3420 Fax (915) 585-3442 Fax (915) 585-3442 Fax (915) 585-3442 Fax (916) 585-3442 Sagnature: FRESERVATIVE SAMPLIN METHOD FRESERVATIVE SAMPLIN SAMPL
48	3	DATE SAME
3		1725 Rusty Dr. Sia A E: Passo, "Frank 79322-1922 Tol (1915) 585-3425 Frank 1913) 585-3443 Frank 1913 585-3
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177.51	1 X	PAH 82/0C Touch Mersals Ag As Bay Cd Cr Pb Sa Hg 80108/200.7 TOUR Mersals Ag As Bay Cd Cr Pb Sa Hg 80108/200.7 ANALYS SA ANALYS SA ANALYS SA TCL P Volatiles TCLP Pesticulars
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District I
1625 N. French Dr., Hobbs, NM 88240
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811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED

Form C-138 Revised March 17, 1999

MAY 2 3 2001 Environmental Bureau Submit Original Plus 1 Copy to Appropriate District Office

Santa Fe, NM 87505 Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT	SULID WASIE
1. RCRA Exempt: Non-Exempt: X	4. Generator Halliburton Services
Verbal Approval Received: Yes No X	5. Originating Site Hobbs Facility
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State Nw Mexico
7. Location of Material (Street Address or ULSTR) See Attached	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by n material is not-hazardous and the Generator's certification of origin. No waste class approved.	ecessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	port.
This material was generated by a vehicle spill, 172 gallons mixed with yards of sandy soil. I am enclosing a certificated of waste status, msds sheets, analytical dand chain of custody.	,
Estimated Volume <u>"see above"</u> cy Known Volume (to be entered by the open	erator at the end of the haul)cy
SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookke	eeper DATE: _5-17-01
TYPE OR PRINT NAME: Carmella Van Maanen TELE	EPHONE NO. <u>(505) 393-1079</u>
(This space for State Use)	
APPROVED BY: TITLE:	JATE: DATE: 5/23/01

CERTIFICATE OF WASTE STATUS

Non-Exempt Waste Material

ORIGINATION LOCATION: Sec 2 T22S, R36E

SOURCE: Spill from Halliburton Energy Services Truck

DISPOSAL LOCATION: Controlled Recovery Inc.

As a condition of acceptance for disposal, I hereby certify that this waste is non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for Halliburton Energy Services concur with the status of the waste from subject site.

Name: Bob Allen

Agency: President Safety & Environmental Solutions, Inc.

Address: 703 E. Clinton, Hobbs NM 88240

Signature: 1/00/UU

Date: April 27, 2001



PHONE (915) 973-7001 - 2111 BEECHWOOD - ABILENE, TX 79803

PHONE (505) 383-2328 . 101 E, MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, \$103 HOBBS, NM 68240 FAX TO: (505) 393-4388

Receiving Date: 04/27/01
Reporting Date: 05/07/01

Project Number: NOT GIVEN
Project Name: A.G.U HALLIBURTO

Project Location: A.G.U.HALLIBURTON SPILL

Project Name: A.G.U HALLIBURTON

Analysis Date: 05/04/01 Sampling Date: 04/27/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

IGNITABILITY (°F)

LAB NUMBER SAMPLE ID

H5832-1 E	OTTOM HOLE	COMP. Nonflammabl
Quality Control		NR NR
True Value QC		NR
% Accuracy		NR
Relative Percent Diffe		NR

METHOD: SW 848-1030 (proposed)

Brus 44/ A Cosh.

5/7/0] Date



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

PHONE (605) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

SAFETY & ENVIRONMENTAL SOLUTIONS, INC.

ATTN: BOB ALLEN 703 E. CLINTON, #103 HOBBS, NM 88240 FAX TO: (505) 393-4388

Receiving Date: 04/27/01 Reporting Date: 04/30/01

Project Number: NOT GIVEN

Project Name: A.G.U HALLIBURTON

Project Location: A.G.U.HALLIBURTON SPILL

Sampling Date: 04/27/01

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

LAB NUMBE	ER SAMPLE ID	TPH (mg/Kg)	pH* (s.u.)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS I	DATE:	04/27/01	04/30/01	04/27/01	04/27/01	04/27/01	04/27/01
H5832-1	BOTTOM HOLE	24.8	7.30	<0.005	0.011	0.006	0.030
	COMP.						

			0.400	0.400	7,404	0.300
Quality Control	239	6.99	0.106	0.100	0.104	0.308
True Value QC	240	7.00	0.100	0.100	0.100	0.300
% Recovery	99.5	100	100	99.9	104	103
Relative Percent Difference	3.6	0	4.6	0.3	3.4	4.1

METHODS:

TRPHC-EPA 600/4-79-020 418.1;pH-EPA 600/4-79-020 150.1; BTEX-EPA SW-846 8260

*Analysis performed on a 1:4 w.v aqueous extract.

Burgess J. A. Cooky./Ph. D.

4/30/6

Date

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

A PRI	ARDINAL LABORATORIES INC.	ES. INC.	•				5		5							}
	2111 Beachwood, Abilene, TX 79803 (915) 873-7001 Fex (915) 873-7020		101 East (505) 393	Mari	and, H	101 East Mariand, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476	1240 8						Page	0		[
Company Name;	CDCT	ı	<u> </u>			•				ANALYSIS	1	REQUEST				
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City: HOBBS	۷ Z ip:	88240	A	Attn:			_									
3	397-0510		Æ	Address:			7						· .		•	
Fax#: (505) 3	393 <u>-</u> 4388		ਹ	Clty:				_			:		 -			
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PLEASE HOTEL DISAIN INS DAY	PER NEWOTH LINEDY IN DUMBER. Outdood to bailify and startly amainka remedy for any delin after the relative based to be of the based of the support that the base well show that the submer of the support that the submer of the support of the suppo	the second way with	Sing beiedin	Para Della	osyndby 6	* Imiladio the Leberal	and by the clark to	he syploite		E S	and Condition	Tomes and Conditions: 14 six si will be stanged on as account more than 30 days pail due at the mid of 24% parement from his original fails of bardes,	the stranged on	of property and the	re thur e of tarates,	
pardor. In so event that Curdes	J be inde for incidental or consequental durages, in t of or malacto the performings of services betelon	Andrewithout Indiation, to the by Candrul, regardess	Albert Mart	of Galm.	be seed upon	one, join of year, or lost of profile fracting by clear, be extendation dates it be sed upon any of the storm staled massons or otherwise.	y clant, be actually desirens or other	, 4 , 4		To Date	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	THE ST, DONE OF CONTROLLS, INCLUDES AN INCLUDE OF THE PARTY.				ſ
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Delivered By: (Circle One)	Sircle One}	Cool intect	Tact Yes	,												······································
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† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

4-27-01; B:1DAM;HALL!BURTON

ZONESEALANT 2000 - HAL-TANK

PAGE

DATE: 04-27-01

MATERIAL SAFETY DATA SHEET HALLIBURTON ENERGY SERVICES

REVISED DATE 11-16-99

DUNCAN, OKLAHOMA 73536

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

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

THEMICAL CODE: ZONESEALANT 2000 - HAL-TANK

PART NUMBER: 516012950

PKG QTY: 330 GALLON TANK

APPLICATION: FOAM STABILIZIER

SERVICE USED: CEMENTING

* * SECTION II - COMPONENT INFORMATION * * *

COMPONENT+ + + + + + + + + +

PERCENT TLV PEL

ISOPROPANOL

400 PPM 1-10 % 400 PPM < .05 % 1 PPM

FORMALDEHYDE

< .01 % NOT DETERMINOT DETERMINED

DICHLOROACETIC ACID

+ * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * * *

PROPERTY

MEASUREMENT

LIGHT YELLOW LIQUID *PPEARANCE DOR SWEET SPECIFIC GRAVITY (H2O=1) 1.060 BULK DENSITY 8.83 LB/GAL NOT DETERMINED SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H20 COMPLETE N/D BIODEGRADABILITY PERCENT VOLATILES 45 EVAPORATION RATE (BUTYL ACETATE=1) N/D VAPOR DENSITY N/D JAPOR PRESSURE (MMHG) N/D BOILING POINT (760 MMHG) N/D POUR POINT -10 F / --12 C -12 F / --11 C FREEZE POINT SOLUBILITY IN SEAWATER COMPLETELY SOLUBLE

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

NFPA(704) RATING:

HEALTH 2 FLAMMABILITY 3 REACTIVITY 1 SPECIAL NONE

FLASH POINT 87 F / 30 C FLASH MTHD SETA

ND F / AUTOIGNITION TEMPERATURE ND C

LOWER FLAMMABLE LIMITS (% BY VOLUME) N/D/UPPER N/D

EXTINGUISHING MEDIA:

WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.

SPECIAL PIRE FIGHTING PROCEDURES:

PARTITION COEF (OCTANOL IN WATER) N/D

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

;5053927082

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

UNUSUAL FIRE AND EXPLOSION HAZARDS:

AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOILOVER.

PN: 516012950

PAGE

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

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

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

CALIFORNIA PROPOSITION 65:

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

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINGGEN ACCORDING TO: "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED

HALLIBURTON SAP PART NUMBER: 101207218

PRODUCT TLV: NOT ESTABLISHED

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE:

MAY CAUSE SEVERE IRRITATION WHICH MAY INJURY TISSUE IF NOT REMOVED PROMPTLY. SKIN:

MAY CAUSE MILD IRRITATION.

INHALATION:

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

MAY BE IRRITATING.

INGESTION:

LARGE DOSES CAUSES ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA. MAY BE IRRITATING

CHRONIC EFFECTS:

CONTAINS < 0.1% FORMALDEHYDE, A SUSPECTED CARCINGEN.

OTHER SYMPTOMS AFFECTED:

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

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

EYE:

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

SKIN:

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

INHALATION:

REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION, INGESTION:

DO NOT INDUCE VOMITING! KEEP VICTIM WARM AND QUIET. SEEK PROMPT MEDICAL

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ATTENTION.

NOTE TO PHYSICIANS: NONE APPLICABLE

STABILITY: STABLE

CONDITIONS TO AVOID:

AVOID EXCESSIVE HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:

?N: 516012950

PAGE 3

CARBON MONOXIDE AND/OR CARBON DIOXIDE.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

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

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

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

PREVENT RUNOFF FROM ENTERING SEWERS, LAKES, RIVERS, STREAMS OR PUBLIC WATER SUPPLIES.

WASTE DISPOSAL METHOD:

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

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

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

NOT NORMALLY NEEDED. BUT IF SIGNIFICANT EXPOSURES ARE TO BE ENCOUNTERED THEN THE FOLLOWING TYPE OF RESPIRATOR IS RECOMMENDED:

IN HIGH CONCENTRATIONS, USE A SUPPLIED AIR RESPIRATOR OR A SELF-CONTAINED BREATHING APPARATUS.

JENTILATION:

USE ONLY WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES:

BUTYL GLOVES.

NEOPRENE GLOVES.

EYE PROTECTION:

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

NEOPRENE APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * *

RECAUTIONARY LABELING ZONESEALANT 2000 - HAL-TANK

516.012950

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. FLAMMABLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

THER HANDLING AND STORAGE CONDITIONS:

STORE AWAY PROM OXIDIZERS.

KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

IF EMPTY CONTAINER RETAINS PRODUCT RESIDUES, ALL LABEL PRECAUTIONS MUST BE OBSERVED. STORE AWAY FROM IGNITION SOURCES WITH ALL DRUM CLOSURES IN PLACE. OFFER CONTAINER TO RECONDITIONER OR RECYCLER. ENSURE RECONDITIONER OR RECYCLER IS AWARE OF THE PROPERTIES OF THE CONTENTS.

SPECIAL PRECAUTIONS:

STORE BETWEEN 35 F (2 C) AND 122 F (50 C)

PRODUCT HAS A SHELF LIFE OF 24 MONTHS.

GROUND CONTAINERS WHEN TRANSFERRING FROM ONE TO ANOTHER.

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

DOT SHIPPING DESCRIPTION:

PN: 516012950

PAGE

FLAMMABLE LIQUID, N.O.S. - 3 - UN1993 - III (CONTAINS ISOPROPANOL)

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

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

- 3. EPA CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY) NOT EVALUATED
- I. EPA SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES) PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS
-). EPA SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS) COMPONENT NAME CAS-REG-NO PCT ISOPROPANOL 67-63-0 1-10 왕 FORMALDEHYDE 50-00-0 < .05 €
- 3. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES TSCA YES CEPA NO EEC NO ACOIN NO NPR NE DRSM NE
- I. EPA RCRA (HAZARDOUS WASTE), 40 CFR 261

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

IGNITABILITY

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

9/ 9

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

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DEPARTMENT OF TRANSPORTATION (DOT)

FOR PN# 516012950

HAZARD GUIDE 27 PAGE

1

HALLIBURTON SERVICES DUNCAN, OKLAHOMA 73536

DATE: 04/27/01 REVISED DATE: 08/10/95

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

POTENTIAL HAZARDS

FIRE OR EXPLOSION

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

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

CONTAINER MAY EXPLODE IN HEAT OF FIRE.

VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS.

RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

HEALTH HAZARDS

MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN.

VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION.

CONTACT MAY IRRITATE OR BURN SKIN AND EYES.

FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES.

RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION. EMERGENCY ACTION

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

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

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

FIRE

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

LARGE FIRES: WATER SPARY, FOG OR REGULAR FOAM.

MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO

FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS.

FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR

MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

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

SPILL OR LEAK

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

STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

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

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

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

FIRST AID

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

HAZARD GUIDE: 27 FOR PN# 516012950

PAGE 2

GIVE OXYGEN.

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

REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 RECEIVED

Form C-138 Revised March 17, 1995

MAY 2 3 2001 Environmental Bureau

Submit Original Plus 1 Copy to Appropriate District Office

Fe, NM 87505 Oil Conservation Division

| REQUEST FOR APPROVAL TO ACCEPT | SOLID WASIE |
|--|--|
| 1. RCRA Exempt: Non-Exempt: X | 4. Generator Conoco, Inc. |
| Verbal Approval Received: Yes No X | 5. Originating Site Maljamar Plant |
| 2. Management Facility Destination Controlled Recovery, Inc. | 6. Transporter Unknown |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 8. State New Mexico |
| 7. Location of Material (Street Address or ULSTR) 1001 Conoco Rd., Malja | amar New Mexico |
| 9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste capproved | necessary chemical analysis to PROVE the lassified hazardous by listing or testing will be |
| All transporters must certify the wastes delivered are only those consigned for trans | ъроп. |
| BRIEF DESCRIPTION OF MATERIAL: | |
| 05-001 | |
| Sump Water | |
| Enclosed is the analytical, certificate of waste status, process of know copy of last C-138. This waste has been approved in the past. | ledge letter, and |
| | |
| Estimated Volume 400 bbls. cy Known Volume (to be entered by the op | erator at the end of the haul)cy |
| SIGNATURE Waste Management Facility Authorized Agent TITLE: Bookkeep | DATE: 5-14-01 |
| TYPE OR PRINT NAME: Carmella Van Maanen TELI | EPHONE NO. <u>(505) 393-1079</u> |
| (This space for State Use) | |
| APPROVED BY: TITLE: | DATE: |
| APPROVED BY: 1/2 924 TITLE Environ. | DATE: 5/2/6/ |
| APPROVED BY: // STATE ST | until Coulops DATE 5/20/01 |

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

| COMPANY / GENERATOR Conoco, Inc. |
|--|
| ADDRESS 1001 Conoco Rd., Maljamar, NM 88264 |
| GENERATING SITE Maljamar Gas Plant |
| COUNTY Lea STATE NM |
| TYPE OF WASTE Sump Water |
| ESTIMATED VOLUME 400 bbls. |
| GENERATING PROCESS See attached letter |
| REMARKS NMOCD FACILITY Controlled Recovery, Inc. |
| TRUCKING COMPANY |
| As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination: To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613. |
| AGENT Mark Lisher |
| NAME Mark Bishop |
| PRINTED ADDRESS 2.0. Box 90 |
| Maljamar, NM |
| DATE |

02/15/01 19:09

©:00039330T0

** O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 III S. First Viesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road

\ztec, NM 87410 District IV - (505) 827-7131

New Mexico Energy Minerals and Natural Resources I partment Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

CNI

Form C-13 Originated 8/8/

> Submit Origin Plus 1 Co to appropris

| REQUEST FOR APPROVAL TO AC | CCEPT SOLID WASTE |
|----------------------------|-------------------|
|----------------------------|-------------------|

| REQUEST FOR APPROVAL TO ACCEPT | SOLID WASTE |
|---|--|
| 1. RCRA Exempt: Non-Exempt: X | 4. Generator CONOCO, INC. |
| Verbal Approval Received: Yes 🔲 No 🗓 | 5. Originating Site 1001 CONOCO R |
| 2. Management Facility Destination CONTROLLED RECOVERY, INC | 6. Transporter UNKNOWN |
| 3. Address of Facility Operator P.O. BOX 388, HOBBS | 8. State NEW MEXICO |
| 7. Location of Material (Street Address or ULSTR) MALJAMAR PLANT, MA | JAMAR NEW MEXICO |
| 9. <u>Ĉircle One</u> : | |
| A. All requests for approval to accept oilfield exempt wastes will be accordene accept; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accordene accept. PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. | mpanied by necessary chemical analysis to nof origin. No waste classified hazardous by |
| All transporters must certify the wastes delivered are only those consigned | for transport. |
| DRIEF DESCRIPTION OF MATERIAL: 02-002 SUMP WATER ENCLOSED IS THE ANALYTICAL, CERTIFICATE OF WASTE STAKNOWLEDGE LETTER, AND COPY OF LAST C-138. THIS WASTE APPROVED IN THE PAST. Eng. Stimuted Volume 300 BBLS. | E HAS BEEN |
| Estimated Volume | ator at the end of the haul) ———————————————————————————————————— |
| SIGNATURE: TITLE: BOOKKEE Waste Management FacilityAuthorized Agent | PER DATE: 2-6-01 |
| | PHONENO. (505) 393-1079 |
| (This space for State Use) 2 In Marke Kieling | |
| APPROVED BY: TITLE: | DATE: |
| APPROVED BY: / horton J. Hill: Envivorm | 14 Gelost DATE: 2-19-01 |



Rudy Quiroz
Operations Tech III
Natural Gas & Gas Products

Conoco Inc. P.O. Box 90 Maljamar, NM 88264 505-676-3528

July 10, 2000

Subject: Sump Water Waste

8 HRA Clark compressors are generating the sump water waste. These engines are very old and they leak lube oil and water. The waste is collected in a sump pit in front of each engine. The waste is about 95 % water and 5% lube oil. The waste is removed from the sump by a vacuum truck and is currently being stored in a frac tank until it can be disposed. Estimated volume of the waste is 150 barrels a month.

If you have any questions please contact me at 505-676-3528.

Rudy Quiroz

Operations Tech III



Case Narrative for: Conoco Inc.

Certificate of Analysis Number:

00060378

Report To:

Conoco Inc.

Rudy Quinez P.O. Box 90

1001 Conoco Rd

Maljamar NM 88264-

ph: (505) 676-3603

fax: (505) 676-3533

Project Name:

Clark Sump

Site:

Maljamar Gas Plant

Site Address:

PO Number:

State:

New Mexico

State Cert. No.:

Date Reported:

6/21/00

The methods were not indicated on the chain of custody for BTEX and Total Petroleum Hydrocarbons (TPH) analyses. A message was left for Ashly Finnan on June 15, 2000, to which there was not response. The samples were analyzed by EPA method 8021 for BTEX and TNRCC method TX1005 for TPH per historical events.

Your sample ID *Clark Sump* (SPL ID: 00060376-01) was analyzed for Purgeable Aromatics by SW845 method 8021. The surrogate 4-Bromofluorobenzene was outside the quality control limits, due to matrix interference.

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Soniallist West, Sonia

Senior Project Manager

6/21/00

Date





Conoco Inc.

Certificate of Analysis Number:

00060378

Report To: Conoco Inc.

Rudy Quinez

P.O. Box 90

1001 Conoco Rd

Maljamar

Conoco Inc.

Rudy Quinez

NM

Fax To:

88264-

ph: (505) 676-3503

fax: (505) 676-3533

fax: (505) 676-3533

Canan

PO Number:

State:

Project Name:

Site Address:

New Mexico

Clark Sump

Maljamar Gas Plant

State Cert. No.:

Date Reported:

Site:

6/21/00

Client Sample ID | Lab Sample ID | Matrix | Date Collected | Date Received | COC ID | HOLD

Clark Sump 00060378-01 Sludge 6/14/00 9:00:00 AM 6/15/00 10:00:00 AM 100292

Clark Sump 00060378-01 Sludge 6/14/00 9:00:00 AM 6/15/00 10:00:00 AM 100292

Somallist West, Sonia

6/21/00

Date

Senlor Project Manager

Joel Grice Laboratory Director

Ted Yen

Quality Assurance Officer

8/21/00 12:03:48 PM



| Client Sample ID C | lark Sump | | Col | lected: | 6/14/00 9:00:00 | SPL Sample ID: | 00060378-01 |
|-----------------------|--------------------|-------------|---------------|---------------|------------------|---------------------|-------------|
| | | | Site | : Mal | jamar Gas Plant | | |
| Analyses/Method | Resu | lt | Rep.Limit | | DII. Factor QUAL | . Date Analyzed Ana | • |
| CORROSIVITY | | | | MCL | SW9045C | Units: pH Unit | s |
| Corrosivity | 7. | 9 | 0 | | 1 | 06/15/00 16:45 C_V | 309925 |
| IGNITABILITY | | | | MCL | SW1010 | Units: °F | |
| Ignitability | > 210 | 0 | 0 | | 1 | 06/16/00 0:00 SUB | 311178 |
| MERCURY, TOTAL | | | | MCL | SW7471A | Units: mg/Kg | . |
| Mercury | 0.22 | 2 | 0.033 | | 1 | 06/16/00 8:07 PB | 309843 |
| Run ID/Seq #: H | GL_000616A-309843 | | | | | | |
| Prep Method | Prep Date | | Prep Initials | | | | |
| SW7471A | 06/15/2000 14:30 | | PB | | | | |
| METALS BY METHO | D 6010B, TOTAL | | | MCL | SW8010B | Units: mg/Kg | |
| Arsenic | NC |) | 0.5 | | 1 | 06/16/00 13:14 EG | 310555 |
| Lead | 5.12 | 2 | 0.5 | | 1 | 06/16/00 13:14 EG | 310555 |
| Selenium | ND |) | 0.5 | | 1 | 06/16/00 13:14 EG | 310555 |
| Barlum | 9.65 | | 0.5 | | 1 | 06/15/00 16:59 E_B | 310155 |
| Cadmium | ND | , | 1 | | 1 | 06/15/00 16:59 E_B | 310155 |
| Chromium | 7.28 | | 1 | | 1 | 06/15/00 16:59 E_B | 310155 |
| Silver | ND | | 1 | | 1 | 06/15/00 16:59 E_B | 310155 |
| Run ID/Seq #: T. | JA_000615A-310155 | | | | | | |
| Prep Method | Prep Date | | Prep Initials | | | | |
| SW3050B | 06/15/2000 13:00 | | lMR | | | | |
| | JAT_000616A-310555 | | | | | | |
| Prep Method | Prep Date | | Prep Initials | | | | |
| SW3050B | 06/15/2000 13:00 | | MR | · | | | |
| PURGEABLE AROM | ATICS | | <u></u> - | MCL | SW8021B | Units: ug/Kg | |
| Benzene | 15 | | 10 | | 10 | 06/16/00 13:46 CJ | 310598 |
| Ethylbenzene | 270 | | 10 | | 10 | 06/16/00 13:46 CJ | 310598 |
| Toluene | 970 | | 10 | | 10 | 06/16/00 13:46 CJ | 310598 |
| Xylenes, Total | 1160 | | 10 | | 10 | 06/16/00 13:46 CJ | 310598 |
| Surr: 1,4-Difluorober | nzene 115 | % | 59-127 | | 10 - | 06/16/00 13:48 CJ | 310598 |
| Surr: 4-Bromofluorob | penzene 165 | <u></u> % | 48-156 | | 10 | 06/16/00 13:46 CJ | 310598 |
| REACTIVE CYANIDE | SOLID | _=== | | MCL | SW7.3.3.1 | Units: mg/Kg | |
| Reactive Cyanide | ND | | 1 | | 11 | 06/16/00 8:00 ES | 310493 |
| REACTIVE SULFIDE | - SOLID | <u> </u> | | MCL | SW7.3.4.2 | Units: mg/Kg | |
| Reactive Sulfide | ND | | 10 | | 1 | 06/16/00 8:00 ES | 310504 |
| | | | | | | | |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

- * Surrogate Recovery Outside Advisable QC Limits
- J Estimated Value between MDL and PQL
- >MCL Result Over Maximum Contamination Limit(MCL)
- D Surrogate Recovery Unreportable due to Dilution
- MI Matrix Interference

6/21/00 12:03:51 PM





| Client Sample ID Cl | ark Sump | Coll | ected: | 6/14/00 9:0 | 00:00 | SPL Sample II | D: 0006 | 0378-01 |
|---------------------|--------------------|---------------|--------|-------------|-------|----------------|---------|---------|
| | | Site | Mal | Jamar Gas | Plant | | | |
| Analyses/Method | Result | Rep.Limit | | Dil. Factor | QUAL | Date Analyzed | Analyst | Seq.# |
| TPH TEXAS 1005 | | | MCL | 1X | EPH | Units: m | g/Kg | ž. |
| C6-C10 | ND | 500 | | 10 | | 06/15/00 15:08 | AM | 310210 |
| > C10-C28 | 19000 | 500 | | 10 | | 06/15/00 15:08 | AM | 310210 |
| Total (C6-C28) | 19000 | 500 | | 10 | | 06/15/00 15:08 | AM | 310210 |
| Run ID/Seq #: H | P_B_000615B-310210 | | | | | | | |
| Prep Method | Prep Date | Prep Initials | | | | | | |
| TX_EPH | 06/15/2000 10:00 | ICB | | | | | | |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

8 - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside AdvIsable QC Limits

J - Estimated Value between MDL and PQL

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:52 PM

Quality Control Documentation

81/8 .9 1980.0N





Conoco Inc. Clark Sump

Analysis:

TPH Texas 1005

Method:

RunID:

Analysis Date:

TX_EPH

WorkOrder:

00060378

Lab Batch ID:

5420

Method Blank

HP_8_0006158-310100

Units: mg/Kg

Lab Sample ID

Client Sample ID

06/15/2000 11:38 06/15/2000 10:00 Preparation Date:

Analyst AM Prep By: C8

Method TX_EPH

00060378-01B

Samples in Analytical Batch:

Clark Sump

| Analyte | Result | Rep Limit |
|----------------|--------|-----------|
| > C10-C28 | NO: | 50 |
| C6-C10 | ND. | 50 |
| Total (C6-C28) | ND | 50 |

Preparation Date:

Laboratory Control Sample (LCS)

Run(0:

HP_B_0006158-310205

Units: mg/Kg

Analysis Date:

06/15/2000 14:30 06/15/2000 10:00 Analyst AM

Prep By: CB Method TX_EPH

| Analyte | Spike
Added | Result | Percent
Recovery | Lower
Limit | Upper
Limit |
|----------------|----------------|--------|---------------------|-----------------|----------------|
| > C10-C28 | 500 | 480 | 95 | 70 | 130 |
| C6-C10 | 500 | 410 | 82 | 70. | 130 |
| Total (C6-C28) | 1000 | 890 | 89 | 70 _i | 130 |

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060363-02

RunID:

HP_B_0006158-310108

Units: mg/Kg

Analysis Date:

06/15/2000 12:10

Analyst AM

Preparation Date: 06/15/2000 10:00

Prep By:

Method

| Analyte | Sample
Result | MS
Spike
Added | MS Result | MS %
Recovery | MSD
Spike
Added | | MSD %
Recovery | | | |
|----------------|------------------|----------------------|-----------|------------------|-----------------------|------|-------------------|-------|-------|-----|
| > C10-C28 | ND | 500 | 440 | 88.1 | 500 | 460 | 91.4 | 3.73 | 30 70 | 130 |
| C6-C10 | ND | 500 | 330 | 66.6* | 500 | 340; | 68.1* | 2.14: | 30 70 | 130 |
| Total (C6-C28) | ; ND | 1000 | 770 | 77,0 | 1000 | 800 | 80.0 | 3.82 | 30 70 | 130 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

8/21/00 12:03:55 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc.

Clark Sump

Analysis:

Purgeable Aromatics

Method:

SW8021B

WorkOrder:

Samples in Analytical Batch:

00060378

Lab Batch ID:

R15794

Method Blank

HP_J_000618A-310587

ug/Kg

Lab Sample ID

Client Sample tD

Analysis Date:

RunID:

06/16/2000 6:35

Analyst: CJ

Units:

00060378-01A

Clark Sump

| Analyte | Result | Rep Limit |
|----------------------------|--------|-----------|
| Benzene | ND | 1.0 |
| Ethylbenzene | ND | 1.0 |
| Toluene | NO | 1.0 |
| Xylenes, Total | ND | 1.0 |
| Surr. 1,4-Difluorobenzene | 80.4 | 59-127. |
| Surr: 4-Bromofiuorobenzene | 95.6 | 48-156 |

Laboratory Control Sample (LCS)

RuniD:

HP_J_000616A-310584

Units:

ug/Kg

Analysis Date:

96/16/2000 5:12

Analyst: CJ

| Analyte | Spike
Added | Result | Percent
Recovery | Lower
Limit | Upper
Limit |
|---------------|----------------|--------|---------------------|----------------|----------------|
| Benzene | 50 | 54 | 108 | 60 | 116 |
| Ethylbenzene | 50 | 59 | 119 | 68 | 127 |
| Toluene | 50 | 56 | 112 | 64 | 122 |
| Xylenes,Total | 150 | 181 | 121 | 68 | 129 |

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060407-08

RunID:

HP_J_000816A-310585

Units:

ug/Kg

Analysis Date: 06/

06/16/2000 5:38

Analyst: CJ

| Analyte | Sample
Result | MS
Spike
Added | MS Result | MS %
Recovery | MSD
Spike
Added | MSD Result | MSD %
Re∞very | RPD | RPD
Limit | | High
Limit |
|----------------|------------------|----------------------|-----------|------------------|-----------------------|------------|------------------|------|--------------|----|---------------|
| Benzene | NO | 20 | 20 | 96.2 | 20 | 18 | 88.3 | 8.52 | 34 | 35 | 139 |
| Ethylbenzene | ND | 20 | 20 | 98.5 | 20 | 19 | 92.3 | 6.49 | 35 | 31 | 137 |
| Toluene | ND | 20 | 20 | 99.7 | 20 | 18 | 90.3 | 9.88 | 28 | 31 | 137 |
| Xylenes, Total | ND: | 60 | 61 | 102 | 60: | 57 | 95.0 | 6.78 | 38 | 19 | 144 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

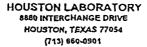
B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

8/21/00 12:03:55 PM





Conoco Inc.

Clark Sump

Analysis:

Metals by Method 6010B, Total

Method:

WorkOrder:

Samples in Analytical Batch:

00060378 5428

SW6010B

Lab Batch ID:

Method Blank

RunID:

TJA_000615A-310151

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/15/2000 16:50

E_B Analyst:

00060378-01B

Clark Sump

Preparation Date:

06/15/2000 13:00

Prep By: MR Method SW3050B

| | Analyte | Result | Rep Limit |
|----------|---------|--------|-----------|
| Barium | | ND | 0.5 |
| Cadmium | | NO | 0.5 |
| Chromium | | ! ND | 1 |
| Silver | | . ND | 1 |

Laboratory Control Sample (LCS)

RunID:

TJA_000615A-310152

Units:

mg/Kg

Analysis Dafe:

06/15/2000 16:55

Analyst: E_B

Preparation Date: 06/15/2000 13:00

Prep By: MR Method \$W3050B

| Апаlyte | Spike
Added | Result | Percent
Recovery | Lower
Limit | Upper i |
|----------|----------------|--------|---------------------|----------------|---------|
| Barium | 73.6 | 74.9 | N/A | 56.7 | 90.5 |
| Cadmium | 185 | 190 | N/A | 143 | . 228 |
| Chromium | 50.7 | 48.4 | N/A | 35.7 | 65.7 |
| Silver | 149 | 140 | N/A | 110 | 188 |

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060378-01

RunID:

TJA_000615A-310158

Units:

mg/Kg

Analysis Date:

06/15/2000 17:03

EB

Analyst:

06/15/2000 13:00 Preparation Date:

Prep By: MR Method SW3050B 🙀

| Analyte | Sample
Result | MS
Spike
Added | MS Result | MS %
Recovery | MSD
Spike
Added | MSD Result | MSD %
Re∞very | | RPD
Limit l | 1 | High
Limit |
|----------|------------------|----------------------|-----------|------------------|-----------------------|------------|------------------|-------|--------------------|----|---------------|
| Barlum | 9.7 | 100 | 101 | 91.2 | 100 | 99.9 | 90.2 | 1.10 | 20; | 75 | 125 |
| Cadmlum | ND | 100 | 87 | 87.0 | 100 | 86.9 | 86.9 | .0587 | 20 | 75 | 125 |
| Chromium | 7.3 | 100 | 95.7 | 83.4 | 100 | 96.1 | 88,8 | 0.396 | 20 | 75 | 125 |
| Silver | ND | 100 | 87.9 | 87.4 | 100 | 88 | 87.6 | 0.202 | 20. | 75 | 125 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis:

Metals by Method 6010B, Total

Method:

SW6010B

WorkOrder:

00060378

Lab Batch ID:

5428-T

Method Blank

Samples in Analytical Batch:

RunID:

TJAT_000816A-310553

Units:

mg/L

Lab Sample ID

Client Sample ID

Analysis Date:

06/16/2000 13:00

EG Analyst

00060378-01B

Clark Sump

Preparation Date:

Selenium

06/15/2000 13:00

Prep By:

MR Method SW3050B

Rep Llmit Analyte Result ND Arsenic ND: Lead

Laboratory Control Sample (LCS)

0.5

0.5

0.5

RunID:

TJAT 000616A-310554

Units:

mg/Kg

Analysis Date:

06/16/2000 13:06

ND

EG Analyst:

06/15/2000 13:00 Preparation Date:

Prep By: MR Method SW3050B

| Analyte | Splke
Added | Result | Percent
Recovery | Lower
Limit | Upper
Limit |
|----------|----------------|--------|---------------------|----------------|----------------|
| Arsenic | 58.6 | 58.2 | N/A | 41.1 | 76.1 |
| Lead | 56.6 | 61.7 | NVA | 43.1! | 70.1 |
| Selenium | 61.4 | 54.5 | N/A | 45.5 | 77.2 |

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

00060378-01

RunID:

TJAT_000816A-310556

Units:

mg/Kg

Analysis Date:

08/16/2000 13:21

Analyst: EG

Preparation Date: 06/15/2000 13:00

Prep By: MR Method SW3050B

| Analyte | Sample
Result | M\$
Spike | MS Result | MS %
Recovery | MSD
Spike | MSD Result | MSD %
Re∞very | | RPD Low
Limit : Um | 1 - |
|---------|------------------|--------------|-----------|------------------|--------------|------------|------------------|-------|-------------------------|---------|
| | | Added | | , | Added | , | • | | : | |
| senic | ND | 200 | 176 | 87.8 | 200 | 178 | 88.6 | 0.840 | 20 7 | 5 125 |
| ad | 5.1 | 100 | 95.8 | 90.7 | 100 | 96.5 | 91.4 | 0.767 | 20 7 | 5. 125. |
| enium | ND | 200 | 160 | 80.1 | 200 | 162 | 80.9 | 0.929 | 20. 7 | 5, 125 |

≀ualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:56 PM





Conoco Inc.

Analysis: Method:

RunID:

Mercury, Total

SW7471A

Clark Sump

WorkOrder:

00060378

Lab Batch ID:

5429

Method Blank

Units: mg/Kg

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

06/16/2000 8:07

Analyst:

P8

00060378-01B

Preparation Date:

06/15/2000 14:30

HGL 000616A-309834

Prep By:

PB Method SW7471A

0.033

Clark Sump

Analyte Mercury

Laboratory Control Sample (LCS)

RunID:

HGL_000616A-309835

Result Rep Limit NO!

Units:

mg/Kg

Analysis Date:

06/16/2000 8:07

Analyst:

PB

Preparation Date: 06/15/2000 14:30 Prep By: PB Method SW7471A

| Analyte | Spike
Added | Result | Percent
Recovery | | Upper
Limit |
|---------|----------------|--------|---------------------|------|----------------|
| Mercury | 2.17 | 2.1 | N/A | 1.48 | 2.86 |

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked;

00060345-01

RunID:

HGL_000616A-309839

Units:

mg/Kg

Analysis Date:

06/16/2000 8:07

Analyst: PB

Preparation Date: 06/15/2000 14:30

Prep By: PB Method SW7471A

| Analyte | Sample
Result | MS
Spike | MS Result | MS %
Recovery | l ' . | MSD Result | MSD % RPD
Recovery | RPD Low High
Limit Limit Limit |
|---------|------------------|---------------|-----------|------------------|---------------|------------|-----------------------|-----------------------------------|
| Mercury | 0.074 | Added
0.33 | 0.422 | 105 | Added
0.33 | 0.42 | 105 0,317 | 201 : 751 125 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:58 PM



HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 560-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis: Method: Ignitability SW1010 WorkOrder:

00060378

Lab Batch ID:

R

Samples in Analytical Batch:

Lab Sample ID

00060378-01B

Client Sample ID

Clark Sump

ualiflers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:57 PM





Conoco Inc. Clark Sump

Analysis: Method: Corrosivity

SW9045C

WorkOrder:

00060378

Lab Batch ID:

R15763

Samples in Analytical Batch:

Lab Sample ID 00060378-018

Client Sample ID

Clark Sump

Laboratory Control Sample (LCS)

RunID:

WET_00061SE-309919

Units:

Analysis Date:

06/15/2000 16:45

Analyst:

c_v

pH Units

| Analyte | Spike
Added | Result | Percent
Recovery | Lower
Limit | Upper
Limit |
|-------------|----------------|--------|---------------------|----------------|----------------|
| Corrosivity | 7 | 7 | 101 | 99 | 101 |

Sample Duplicate

Original Sample:

00060391-01

WET_000615E-309922

Units:

pH Units

Analysis Date:

RunID:

06/15/2000 16:45

Analyst: C_V

| Analyte | Sample
Result | DUP
Result | RPD | RPD
Limlt |
|-------------|------------------|---------------|-----|--------------|
| Corrosivity | 8.3 | 8.3 | ō | 20 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:57 PM





Conoco Inc.

Clark Sump

Analysis:

Reactive Cyanide-Solid

Method:

RunID:

SW7,3.3,1

WorkOrder:

00060378

Lab Batch ID:

R15788

(713) 660-0901

Method Blank

Samples in Analytical Batch:

WET_000816A-310491

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/16/2000 8:00

Analyst:

00060378-01B

Clark Sump

| : Analyte | | Result | Rep Limit |
|------------------|-------------|--------|-----------|
| Reactive Cyanide | | ND | 1.0 |

Sample Duplicate

Original Sample:

RuniD:

00060391-01 WET_000616A-310494

Units:

mg/Kg

Analysis Date:

06/16/2000 8:00

Analyst: ES

| Analyte | Sample
Result | DUP
Result | RPD | RPD
Llmit |
|------------------|------------------|---------------|-----|--------------|
| Reactive Cyanide | ND | ND | 0 | 20 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

D - Recovery Unreportable due to Dilution

MI - Matrix Interference

6/21/00 12:03:57 PM



HOUSTON LABORATORY 6880 INTERCHANGE DRIVE HOUSTON, TEXAS 77054 (713) 660-0901

Quality Control Report

Conoco Inc. Clark Sump

Analysis:

Reactive Sulfide - Solid

Method:

RunID:

SW7.3.4.2

ոււր

WorkOrder:

00060378

Lab Batch ID:

R15787

Method Blank

WET_000616B-310502

Units: mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

06/16/2000 8:00

Analyst: ES

00060378-01B

Samples In Analytical Batch:

Clark Sump

| Analyte | Result | Rep Limit |
|------------------|--------|-----------|
| Reactive Sulfide | ND | 10 |

Sample Duplicate

Original Sample:

00060391-01

WET_000616B-310505

Units:

mg/Kg

Analysis Date:

RunID:

06/16/2000 8:00

Analyst: ES

| Analyte | Sample
Result | DUP
Resuit | RPD | RPD
Limit | |
|------------------|------------------|---------------|-----|--------------|--|
| Reactive Sulfide | ND | ND | 0 | 20 | |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

* - Recovery Outside Advisable QC Limits

B - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

MI - Matrix Interference

6/21/00 12:03:58 PM

Chain of Custody

And

Sample Receipt Checklist

| Other (1) Other (2) Other (3) Other (4) Other (4) Other (5) Other (5) Other (6) Other (7) | Commutant Remarks: FAX AShey Finn | | Clark Sump | Maland
MALLE ID | | |
|---|---|---|---|---|---|---|
| 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901 459-Hughes Drive. Traverse City. MI 49684 (616) 947-5777 | Standard & Standard & Level 3 & 1. Relinguished by Sampke: | Copy of Results to | | 6/14/00 9:00 Am X | A Ph | SPL, Inc. Analysis Request & Chain of Custody Record Matrix bottle size pres. |
| date time | Date | laboratory remarks: | | 7 40 4
7 40 4 | P=plastic A=amber glastic G=glass V=via! | PL, Inc. Chain of Custody Record matrix bottle size pres. |
| time 6. Received by: 6. Received by Laboratory (C) | (majo | | RUST | | BTEX RCRA Metals RCI TPH | SPL Worksorder No. Requested Analysis |
| 0.0 6/12/00 =================================== | M review (initial): | Intad? OY ON | | 3233 | 373202 MA01:01_0002 | 100292
Re 1 of 1 |