

NM1

-

6

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

State of New Mexico
Energy Minerals and Natural Resources
OIL CONSERVATION DIV.
Oil Conservation Division
1220 South St. Francis Dr. 52
Santa Fe, NM 87505

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Navajo Refining Compa
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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
9. <u>Circle One</u> : 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:

02-012

Plant solid waste generated through plant operations.

Enclosed is a non-exempt certificate of waste status and letter (see attached), to extend this process for the year 2001.

Estimated Volume 10 yd. roll off bins monthly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-23-01
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: Christy J. Kib... TITLE: Environmental Geologist DATE: 3-5-01

**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

GENERATING SITE: Navajo Refining Company

COUNTY: Eddy

STATE: NM

TYPE OF WASTE: Misc. Trash and Debris

ESTIMATED VOLUME: 10 yard roll off bins

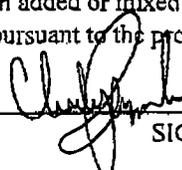
GENERATING PROCESS: Trash and Debris from around Plant (Pallets, Concrete, Cardboard boxes, Insulation, plastic, paper, rags.)

REMARKS: This is trash that the city picks up in dumpsters

NMOCD FACILITY: Controlled Recovery Incorporated

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,

Charlie Pymale
 Environmental Specialist

Post-It® Fax Note	7671	Date	2/2/01	# of pages	2
To	CRI	From	Charlie Pymale		
Co./Dept.		Co.			
Phone #		Phone #	505 748 3311		
Fax #	505 393 3615	Fax #	505 746 5421		

District I - (505) 393-6161
 P.O. Box 1980
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 511 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 appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Pool Company Texas, Lt
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 accompanied by a certification of waste from the Generator; one certificate per job. <input checked="" type="radio"/> 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:

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 operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 01-11-01
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)
 APPROVED BY: Donna Williams TITLE: Environmental Engineer Specialist DATE: 01-16-01
 APPROVED BY: Monty J. Kelly TITLE: Environmental Geologist DATE: 01-18-01

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

COMPANY / GENERATOR: Pool Company Texas Ltd

ADDRESS 515 W. Greens Road, Suite 1000, Houston, Tx 77067

GENERATING SITE Pool Company - Levelland F.M. Road 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)

REMARKS _____

NMOCDFACILITY CRI (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 Don Baeza
SIGNATURE

NAME Don Baeza
PRINTED

ADDRESS 123. S. Washington
San Angelo, Tx 76901

DATE 10 Jan 01

Sample I.D. Number 176005

ERMI
Sample Preservation Documentation *

Subsample Parameters	Containers #	Size	Required Preservative	Sample Container	Check pH	Temp.
Metals			1:1 HNO ₃ 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% Na ₂ S 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 not open
VOA (TPH-1005)			Cool 4° C, NaHSO ₃ Volume 30 ml	40 ml VOA vial		Do not open
Phos., NO ₃ /NO ₂ , NH ₃ N, COD, TKN			1:1 H ₂ SO ₄ to pH < 2; Cool 4° C	Glass or Plastic		
TDS, BOD, Cond, pH, TSS, F, SO ₄ , Cr ⁶⁺ , Sulfite			Cool 4° C	Glass or Plastic, Plastic only if F		
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			5N 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 ml	Cool 4° C	glass		on Ice
Comments: <i>Fast Jar Lid</i>						

* 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.

Preservation Checked By *Wendy Lindley*

Date

12-7-00

Time

*11:35**kl*

Mr. Don Baeza

Page 4

December 21, 2000

SAMPLE NUMBER: 176005

Quality Control Information (Continued)

<u>Parameter</u>	<u>Sample Preservation</u>	<u>EPA* Method</u>	<u>C.V. %</u>	<u>Standard Deviation</u>	<u>Spike Recovery%</u>	<u>Date of Analyses</u>	<u>Time of Analyses</u>	<u>Analyst</u>
TCLP								
SemiVolatiles	Cool to 4°C	8270				12/12/00	10:04AM	W. Yang
Matrix Spikes:								
Hexachlorobenzene			3.7	± 6.725	91			
Hexachlorobutadiene			0.1	± 0.134	78			
Hexachloroethane			4.4	± 6.003	68			
Nitrobenzene			0.9	± 1.287	75			
Pyridine			3.5	± 2.814	40			
Surrogates:								
2-Fluorophenol			N/A	N/A	42			
Phenol-d ₆			N/A	N/A	27			
Nitrobenzene-d ₅			N/A	N/A	72			
2-Fluorobiphenyl			N/A	N/A	80			
2,4,6-Tribromophenol			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,



Kendall K. Brown
President

Prepared By S. Doster
Reviewed By Sherri Hughes

Mr. Don Baeza

Page 3

December 21, 2000

SAMPLE NUMBER:

176005

Quality Control Information (Continued)

<u>Parameter</u>	<u>Sample Preservation</u>	<u>EPA* Method</u>	<u>C.V.%</u>	<u>Standard Deviation</u>	<u>Spike Recovery%</u>	<u>Date of Analyses</u>	<u>Time of Analyses</u>	<u>Analyst</u>
Arsenic	Cool to 4°C	6010	2.6	± 0.028	107	12/09/00	1:16PM	D. Schwartz
Barium	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	Cool to 4°C	7470	0.6	± 0.028	94	12/08/00	3:57PM	D. Schwartz
Selenium	Cool to 4°C	6010	4.2	± 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	12:18PM	J. Wang
ZHE Extraction		1311				12/07/00	7:35PM	A. Lobza
Matrix Spikes:								
Benzene			4.3	± 2.447	114			
Carbon Tetrachloride			2.6	± 1.570	119			
Chlorobenzene			5.4	± 2.807	104			
Chloroform			3.3	± 1.824	109			
1,4-Dichlorobenzene			4.1	± 2.107	102			
1,2-Dichloroethane			3.0	± 1.598	107			
1,1-Dichloroethylene			1.7	± 1.216	140			
Methyl ethyl ketone			4.6	± 2.984	130			
Tetrachloroethylene			5.0	± 2.715	109			
Trichloroethylene			4.3	± 2.326	109			
Vinyl chloride			0.1	± 0.078	104			
Surrogates:								
Fluorobenzene			N/A	N/A	108			
Toluene-d ₈			N/A	N/A	111			
Bromofluorobenzene			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 Extraction		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-Cresol & p-Cresol			0.4	± 0.905	56			
2,4,5-Trichlorophenol			0.8	± 1.181	73			
2,4,6-Trichlorophenol			2.0	± 3.048	76			
Pentachlorophenol			3.7	± 5.692	77			
1,4-Dichlorobenzene			4.4	± 5.713	65			
2,4-Dinitrotoluene			3.6	± 5.204	72			

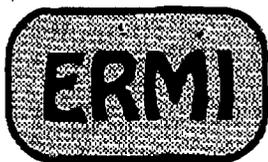
Mr. Don Baeza
Page 2
December 21, 2000

SAMPLE NUMBER: 176005

<u>Parameter</u>	<u>Regulatory Limits</u>	<u>Detection Limits</u>	<u>Observed Concentration</u>
TCLP VOLATILES (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>	<u>Sample Preservation</u>	<u>EPA* Method</u>	<u>C.V.%</u>	<u>Standard Deviation</u>	<u>Spike Recovery%</u>	<u>Date of Analyses</u>	<u>Time of Analyses</u>	<u>Analyst</u>
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. McGaugh
Sulfides	None Required	7.3.4.2	0.0	± 0.000	90	12/10/00	7:45AM	M. McGaugh
TCLP Metals								
Extraction		1311				12/07/00	6:00PM	K. Maxwell
Metals Digestion – ICP		3010				12/09/00	9:00AM	D. Schwartz
Metals Digestion – Mercury		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:

<u>Parameter</u>	<u>Regulatory Limits</u>	<u>Detection Limits</u>	<u>Observed Concentration</u>
IGNITABILITY			
Flashpoint	>60°C (140°F)	0.5°C	**
CORROSIVITY			
pH	pH > 2.0 pH units pH < 12.5 pH units	0.1 units	7.4 units
REACTIVITY			
Cyanides, mg/kg	≤250	1.0	BDL***
Sulfides, mg/kg	≤500	4.0	20
TCLP METALS			
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	BDL
TCLP VOLATILE ORGANICS			
Benzene, mg/l	<0.5	0.03	BDL
Carbon tetrachloride, mg/l	<0.5	0.03	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.

Sincerely,


Mark Bishop

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

District I - (505) 393-6161
 P.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

Form C-13
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropri:
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Marathon Oil Company
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. <u>Circle One</u> :	
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:

01-003

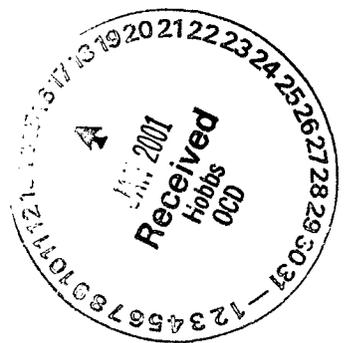
Non-hazardous insulation from the Indian Basin Gas Plant.

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.

Estimated Volume see above cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 12-12-01
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use) APPROVED BY WAYNE - "SEE ATTACHED"
 APPROVED BY: Donna Williams TITLE: Environmental Engineer Specialist DATE: 01-17-01
 APPROVED BY: Montyue Gibbs TITLE: Environmental Geologist DATE: 01-27-01



**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 552, Midland, TX-79702

GENERATING SITE Indian Basin Gas Plant

COUNTY Eddy STATE NM

TYPE OF WASTE Non-hazardous 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.

AGENT *M. Paul Peacock*
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
 P.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

Form C-13
 Originated 8/8/
 Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Ocean Energy
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	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 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:

01-004

Diesel contaminated soil generated from oil spill.

I am enclosing a certificate of waste status, and approvals by Gary Wink. (see attached)

Estimated Volume 400 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 01-18-01
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use) Gary Wink 01-12-01
 APPROVED BY: _____ TITLE: _____ DATE: _____
 APPROVED BY: Martin J. Kelly TITLE: Environmental Geologist DATE: 2-5-01

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, HOUSTON, TEXAS
77002

GENERATING SITE Harrod St. 9 #2

COUNTY Lea STATE NM

TYPE OF WASTE Diesel Contaminated Soil

ESTIMATED VOLUME 400 yards

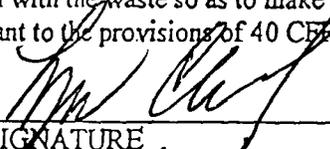
GENERATING PROCESS Oil Spill

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 261.3.

AGENT 

SIGNATURE

NAME Lynn Clayton

PRINTED

ADDRESS 1001 Fannin, Suite 1600,

Houston, TX 77002

DATE 1/17/01



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 - CRT
FROM: GARY W. WINK
Energy, Minerals and Natural Resources Department,
Oil Conservation Division
RE: DIESEL SPILL
DATE: 1/12/01

GARY W. WINK - FIELD REP II GAVE BILL DYER -
KEY WELL SERVICE VERBAL PERMISSION
TO HAUL DIESEL CONTAMINATED DIRT TO
CRT.

Gary W. Wink

1 Pages (Including Transmittal)

CONTROLLED RECOVERY, INC.

Telephone Record

Date: 1-12-2001
Time: _____

Name: Bill Dyer
Title: _____

Tele: () _____
Fax: () _____

Company Name: Key
Address: _____

Subject: Ocean Energy
Quantity: HARROD ST. 9#2
Quoted: Nobors ~~Neighbors~~ Drilling Co

DETAILS OF CONVERSATION: _____

Nobors ~~RH~~ has oil spill -
Bill has permission to dispose of
it at Halloway from Army work
Army will FAX approval
J. March

ACTION: _____

FOLLOW UP: _____

District I - (505) 393-6161
 P. O. Box 1980
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 811 S. First
 Artesia, NM 88210
 District III - (505) 334-6178
 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 Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Conoco, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 accompanied by a certification of waste from the Generator; one certificate per job. <input checked="" type="radio"/> 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:

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 operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 01-18-01
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use) Gary Wink	01-12-01
APPROVED BY: _____	TITLE: _____ DATE: _____
APPROVED BY: <u>Martin J. Kelly</u>	TITLE: <u>Environmental Geologist</u> DATE: <u>2-5-01</u>

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

COMPANY / GENERATOR: Conoco 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 _____

NMOCDF FACILITY Controll Recovery Inc

TRUCKING COMPANY Kenemore 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 261.3.

AGENT Mark Bishop
SIGNATURE

NAME Mark Bishop
PRINTED

ADDRESS PO Box 90

Maljamar NM 88264

DATE 1 15 2001



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 ppm	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	01/11/01	01/08/01	01/12/01	01/08/01
EPA LIMITS:	5	5	100	1	5	5	5	0.2	1
H5498-1 COMP OF 1-4	<1	<1	<5	<0.1	<1	<1	<1	<0.02	<0.1
Quality Control	0.200	1.049	24.48	0.987	5.170	5.022	0.0100	0.206	
True Value QC	0.200	1.000	25.00	1.000	5.000	5.000	0.0100	0.200	
% Recovery	100	105	97.8	98.7	103	100	100	103	
Relative Standard Deviation	1.5	0.5	4.1	0.5	1.6	0.8	4.9	3.6	

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

01/12/2001
 Date

DISCLAIMER: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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 (606) 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: 01/12/00
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

LAB NUMBER SAMPLE ID Sulfide Cyanide CORROSIVITY IGNITABILITY
(ppm) (ppm) (pH) (°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 Control	NR	NR	7.02	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 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

[Signature]
Chemist

1/12/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 agents 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
 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	QC	%Recov.	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

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

1/12/01
 Date



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

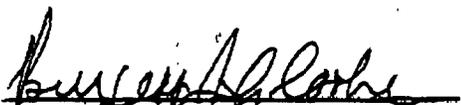
Analysis Date: 01/06/01
 Sampling Date: 01/05/01
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5498-1	Method Blank	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
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	0.044	88	0.050
Pentachlorophenol	100	<0.020	<0.005	0.030	60	0.050

% RECOVERY

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

METHODS: EPA SW 846-8270, 1311, 3510


 Burgess U. A. Cooke, Ph. D.

1/8/01
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 completion of the applicable services. 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.



ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

ANALYSIS REQUEST

BILL TO

Company Name: Cardinal

Project Manager: Dennis Dickinson

Address: P.O. Box 90 1001 Concord Rd.

City: MALHAM State: NM Zip: 88264

Phone #: 505-676-3519 Fax #: 505-676-240

Project #: Client/Project Owner:

Project Name: State: Zip:

Project Location: Clark Building

Sampler Name: Phone #:

For Use Only: Fax #:

Lab ID.	Sample ID.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.		
H5498-1	#1										01/05	
	#2			X								
	#3			X								
	#4			X								

BTEX TCLP on comp

Requisitioned By: Date: Received By:

Sampler Requisitioned: Time:

Requisitioned By: Date: 01-05-0 Received By:

Delivered By: Type:

Sampler - UPS - Bus - Other:

Sample Condition: Checked By:

Eye Contact: No Yes

Phone Result: Yes No No No

ADDN Phone #:

ADDN Fax #:

Dennis PH # 676-3504

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

District I - (505) 393-6161
 P. 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

Form C-13
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropri
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator DOWELL SCHLUMBERGE
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 a certification of waste from the Generator; one certificate per job. <input checked="" type="radio"/> 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:

01-006

THE FOLLOWING ANALYTICAL IS FROM THE DOWELL SCHLUMBERGER HOBBS FACILITY.

THE MATERIAL WAS GENERATED BY WASHING TRUCKS AND OILFIELD EQUIPMENT.
 THIS MATERIAL HAS BEEN APPROVED IN THE PAST AND I HAVE ALSO INCLUDED
 A CERTIFICATE OF WASTE STATUS AND CHAIN OF CUSTODY.

Estimated Volume 300 BBLS. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 1-24-01
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: Martyna J. Kelly TITLE: Environmental Geologist DATE: 1-29-01

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: Dowell Schlumberger, HobbsSOURCE: Truck wash bayDISPOSAL LOCATION: CR 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 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 Dowell Schlumberger concur with the status of the waste from the subject site.

Name Darwin ThompsonTitle/Agency Maint. Supv.Address PO Box 640
Hobbs, NM 88240Signature Darwin ThompsonDate 1-22-01



**ARDINAL
LABORATORIES**

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) 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	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se 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
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
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	95.4	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, 600/4-78-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
*Liquid (oil)	**Sludge	***Solid						

Gayle A. Potter
Gayle A. Potter, Chemist

11/01/2000
Date

H5283M.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. 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 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 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.



**ARDINAL
LABORATORIES**

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) 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	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 Ketone	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
Benzene	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

Dibromofluoromethane	85
Toluene-d8	93
Bromofluorobenzene	93

METHODS: EPA SW 846-8260, 1311

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

10/30/00
Date



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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: 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
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	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.

Burgess J. Cooke
Burgess J. Cooke, Ph. D.

10/30/00
Date



ARDINAL LABORATORIES

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) 393-2132

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

Sampling Date: 10/25/00
Sample Type: SLUDGE/SOLID
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

REACTIVITY

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	BURN RATE (mm/sec)

ANALYSIS DATE:		10/31/00	10/31/00	10/31/00	10/25/00
H5283-2	SPL #2 W.B. SLUDGE	Not reactive	Not reactive	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

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

Bernard J. Cooke
Chemist

10/31/00
Date

District I - (505) 393-6161
 P. 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

Form C-13
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropri:
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator DOWELL SCHLUMBERGER
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 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:

01-007

THE FOLLOWING ANALYTICAL IS FROM THE DOWELL SCHLUMBERGER ARTESIA FACILITY.

THE MATERIAL WAS GENERATED BY WASHING TRUCKS AND OILFIELD EQUIPMENT.
 I HAVE ALSO INCLUDED A CERTIFICATE OF WASTE STATUS AND CHAIN OF CUSTODY.

Estimated Volume 300 BBLs. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 1-24-01
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: Monty Kirk TITLE: Environmental Geologist DATE: 1-29-01

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: Dowell Schlumberger, Artesia

SOURCE: Truck wash bay

DISPOSAL LOCATION: CAT

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 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 Dowell Schlumberger concur with the status of the waste from the subject site.

Name Darwin Thompson

Title/Agency Maint. Supv.

Address PO Box 640
Hobbs, NM 88240

Signature Darwin Thompson

Date 1-22-01



**ARDINAL
LABORATORIES**

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) 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

Analysis Date: 10/26/00
Sampling Date: 10/25/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

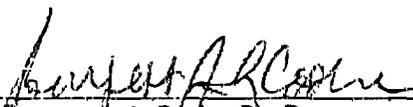
TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5285-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.008	16	0.050
1,4-Dichlorobenzene*	7.50	0.025	0.005	0.032	64	0.050
o-Cresol	200	<0.020	<0.005	0.028	56	0.050
m, p-Cresol	200	<0.020	<0.005	0.026	52	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	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
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-Fluorobiphenyl	71
2,4,6-Tribromophenol	79
Terphenyl-d14	91

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.


Burgess A. Cooke, Ph. D.

10/30/00
Date



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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

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 Ketone	200	<0.050	<0.050	0.092	92	0.100
Chloroform	8.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.096	96	0.100
Benzene	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

Dibromofluoromethane	85
Toluene-d8	91
Bromofluorobenzene	92

METHODS: EPA SW 846-8260, 1311

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

10/30/00
Date.



**ARDINAL
LABORATORIES**

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

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

Sampling Date: 10/25/00
Sample Type: SLUDGE/SOLID
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NO. SAMPLE ID	REACTIVITY			
	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	BURN RATE (mm/sec)
ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
→ H5285-1 #1 W.B. SLUDGE	Not reactive	Not reactive	7.16	Nonflammable ✓
H5285-4 #4 FILTER	Not reactive	Not reactive	3.93	Nonflammable
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

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

Darwin Thompson
Chemist

10/31/2000
Date



**ARDINAL
LABORATORIES**

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) 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 ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se 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
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, 600/4-78-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
---------------------------------	-------	-------	-------	-------	-------	-------	-------	-------

*Sludge

**Liquid (oil)

***Solid

Gayle A. Potter, Chemist

Date 11/01/2000

H5285M.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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.

District I - (505) 393-6161
 P. O. Box 1980
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 315 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 8/87

Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator HALIBURTON SERVICES
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site 5801 LOVINGTON 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 ATTACHED)	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:

01-008

CONTAMINATED SOIL

THE MATERIAL WAS GENERATED BY VEHICLE ACCIDENT-SPILL.

I AM ENCLOSING A CERTIFICATE OF WASTE STATUS, MSDS SHEETS, AND LETTER FROM SAFETY AND ENVIRONMENTAL SOLUTIONS.

Estimated Volume 32-35 CUBIC YARDS Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 1-24-01
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: Martyn J. King TITLE: Environmental Analyst DATE: 1-29-01

01/23/01 23:14 FAX
01/22/01 15:37

5053833615

CRI

01
002

**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

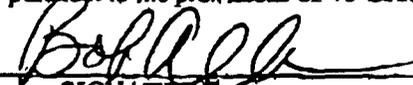
GENERATING PROCESS Vehicle accident - spill

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 261.3.

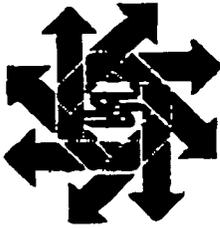
AGENT 
SIGNATURE

NAME Bob Allen
PRINTED

ADDRESS P.O. Box 1613

Hobbs, NM 88240

DATE _____



P.O. Box 1613
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 contaminants in this soil.

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

Sincerely,

Bob Allen CHMM, REM, CET, CES
President

Carmella Van Maanen

From: "Stephen Bailey" <Stephen.Bailey@Halliburton.com>
To: "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

Revised: 2000-04-07
Product: MO-67

MATERIAL SAFETY DATA SHEET
MO-67

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

Not applicable 2 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 and launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

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

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

Notes to Physician

Not Applicable

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.

Special Exposure Hazards

May form explosive mixtures with strong acids. Decomposition in fire may produce

toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus

required for fire fighting personnel.

NFPA Ratings: Health 3, Flammability 0, Reactivity 1

HMIS Ratings: Not Determined

6. 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.

7. 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 container

closed when not in use.

8. 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.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. 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 (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): 39.9

10. 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

11. 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.

Ingestion

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

13. DISPOSAL CONSIDERATIONS

Disposal Method

Follow all applicable community, national or regional regulations regarding

waste management methods.

Contaminated Packaging

If empty container retains product residues, all label precautions must be

observed. Transport with all closures in place. Return for reuse or disposal

according to national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Sodium Hydroxide Solution, 8, UN1824, II

NAERG 154

Canadian TDG

Sodium Hydroxide Solution, 8, UN1824, II

ADR

1824, Sodium Hydroxide Solution, 8, Item 42(b), ADR

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

15. 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) subject to

the reporting requirements of Section 313 of Title III of SARA and 40 CFR 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 (CAS:

1310-73-2).

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does meet the criteria of a hazardous waste as

defined by the US EPA, because of:

Corrosivity

California Proposition 65

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

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

E Corrosive Material

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

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

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, as 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

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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-TWA OSHA PEL-TWA

Chlorous acid, sodium salt

7758-19-2 30 - 60%

Not applicable Not applicable

Sodium chloride

7647-14-5 1 - 5%

Not applicable Not applicable

Sodium chlorate

7775-09-9 1 - 5%

Not applicable Not applicable

Sodium sulfate

7757-82-6 0.1 - 1%

Not applicable Not applicable

3. 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 medical

attention.

Skin

VICON NF BREAKER

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and laundry before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and 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 chlorine. If these vapors are inhaled, monitor patient for delayed development of pulmonary edema, which may occur up to 48-72 hours post inhalation. Following ingestion, neutralization and use of activated charcoal is not indicated.

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 surfaces.

Special Exposure Hazards

Product is not expected to burn unless all the water is boiled away. May form

explosive mixtures with organic and combustible materials. Decomposition in fire

may produce toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus

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

VICON NF BREAKER

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 stop leak where safe.

7. 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 direct

sunlight. Keep from excessive heat. Product has a shelf life of 24 months.

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.

9. 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

(centipoise): Not Determined

VICON NF BREAKER

Viscosity, Kinematic @ 20 C

(centistokes): Not Determined

Partition Coefficient/n-Octanol/Water: Not Determined

Molecular Weight (g/mole): 90.45

10. STABILITY AND REACTIVITY

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, especially petroleum products, asphalt & other volatile flammables. Ammonium compounds.

Hazardous Decomposition Products

Chlorine.

Additional Guidelines

Not Applicable

11. 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. Prolonged

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

Reproductive/Developmental

VICON NF BREAKER

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 mg/l

(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

13. DISPOSAL CONSIDERATIONS

Disposal Method

Follow all applicable community, national or regional regulations regarding

waste management methods.

If not contaminated, reuse product.

Contaminated Packaging

If empty container retains product residues, all label precautions must be

observed. Transport with all closures in place. Return for reuse or dispose

according to national or local regulations.

14. 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

IMDG

Chlorite Solution (14% Available Chlorine), 8, UN1908, III

EMS 8-06, MFAG 741

Other Shipping Information

Labels: Corrosive

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 "Toxic

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 waste as

defined by the US EPA, because of:

Corrosivity

California Proposition 65

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

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

E Corrosive Material

D2B Toxic Materials

Canadian DSL Inventory

All components listed on inventory.

WHMIS Trade Secret

None

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

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

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, as to

accuracy or completeness. The information is obtained from various sources

VICON NF BREAKER

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

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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-TWA OSHA PEL-TWA

Diesel
68476-34-6 30 - 60%

Not applicable Not applicable
Borate salts 30 - 60%

Not applicable Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview

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

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

5. 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 fire exposed surfaces.

Special Exposure Hazards

May be ignited by heat, sparks or flames. Closed containers may explode in fire.

Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus

required for fire fighting personnel.

NFPA Ratings: Health 1, Flammability 1, Reactivity 0

HMIS Ratings: Flammability 1, Reactivity 0, Health 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment. Wear self-contained breathing apparatus 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 work with non-sparking tools. Contain spill with sand or other inert materials. Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands

after use. Launder contaminated clothing before reuse.

Storage Information

Store away from oxidizers. Keep from heat, sparks, and open flames. Keep

container closed when not in use. Product has a shelf life of 6 months

8. 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

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.

9. 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

10. 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 reaction 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 washing the animals' skin with soap and water between applications greatly decreases 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

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 regarding

waste management methods.

Contaminated Packaging

If empty container retains product residues, all label precautions must be

observed. Transport with all closures in place. Return for reuse or disposal

according to national or local regulations.

14. 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

15. 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 "Toxic

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 hazardous waste

as defined by the US EPA.

California Proposition 65

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

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 MSDS

Not applicable

Additional Information

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

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, as 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

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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-TWA OSHA PEL-TWA

Boric acid
10043-35-3 10 -30%

Not applicable Not applicable

Ethylene glycol
107-21-1 10 -30%

Not applicable Not applicable

Monoethanolamine
141-43-5 10 -30%

3 ppm, 7.5 mg/m³ 33 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 water for at least 15 minutes. Get medical attention. Remove contaminated clothing and

launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician

Not Applicable

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

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 apparatus

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 stop leak

where safe.

7. 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 container

closed when not in use. Product has a shelf life of 36 months

8. 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
 Organic vapor respirator.
 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.

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

10. 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

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye contact. Inhalation. Skin contact.

Inhalation

Excessive inhalation causes headache, dizziness, nausea and incoordination.

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 exposure

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 regarding

ding
waste management methods.
Contaminated Packaging
If empty container retains product residues, all label precautions must be observed. Transport with all closures in place. Return for reuse or disposal according to national or local regulations.

14. 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

15. 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) subject to

the reporting requirements of Section 313 of Title III of SARA and 40 CFR 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 hazardous waste

as defined by the US EPA.

California Proposition 65

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

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 SDS

Not applicable

Additional Information

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

Halliburton representative.

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

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

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any material is the sole responsibility of the user.

END OF MSDS

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DIESEL FUEL

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-TWA OSHA PEL-TWA

Diesel

68476-34-6

60 - 100%

Not applicable Not applicable

3. 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 medical

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

5. FIRE FIGHTING MEASURES

DIESEL FUEL

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 fire exposed surfaces.

Special Exposure Hazards

Closed containers may explode in fire. May be ignited by heat, sparks or flames.

Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus

required for fire fighting personnel.

NFPA Ratings: Health 1, Flammability 2, Reactivity 0

HMIS Ratings: Not Determined

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas.

Environmental Precautionary Measures

None known.

Procedure for Cleaning/Absorption

Isolate spill and stop leak where safe.

7. 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. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

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

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.

DIESEL FUEL

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. 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

10. 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

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye contact. Inhalation. Skin contact.

Inhalation

May cause respiratory irritation. May cause central nervous system depression

including headache, dizziness, drowsiness, incoordination, slowed reaction time,

slurred speech, giddiness and unconsciousness.

Skin Contact

May cause skin defatting with prolonged exposure. Can dry skin.

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 washing the

animals' skin with soap and water between applications greatly decreases 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

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

13. DISPOSAL CONSIDERATIONS

Disposal Method

Follow all applicable community, national or regional regulations regarding

waste management methods.

Contaminated Packaging

Empty container completely. Transport with all closures in place. Return for

reuse or dispose in a sanitary landfill according to national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DIESEL FUEL

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

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
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 waste as

defined by the US EPA, because of:

Ignitability

California Proposition 65

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

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

B3 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 MSDS

Not applicable

Additional Information

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

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

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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

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DIESEL FUEL

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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.

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

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious

person.

Notes to Physician

Not Applicable

5. 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 fire 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 apparatus

required for fire fighting personnel.

NFPA Ratings: Health 1, Flammability 1, 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 stop leak where safe.

7. 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 container closed when not in use.

8. 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

9. 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

10. 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

11. 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 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 than 1%

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

12. 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

13. DISPOSAL CONSIDERATIONS

Disposal Method

Follow all applicable community, national or regional regulations regarding

waste management methods.

Contaminated Packaging

Empty container completely. Transport with all closures in place. Return for

reuse or dispose in a sanitary landfill according to national or local regulations.

14. 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

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 "Toxic

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 hazardous waste

as defined by the US EPA.

California Proposition 65

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

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

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

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

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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END OF MSDS

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HC-2

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator DUKE ENERGY SERVIC
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site P.O. BOX 50020 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. <u>Circle One</u> :	
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:

01-009

COOLING TOWER DEBRIS

THE MATERIAL WAS GENERATED BY MARLEY COOLING TOWER REPAIRS,
 REPLACED FILL (PLASTIC) AND REPLACED SOME BROKEN BOARDS.

I AM ENCLOSING A CERTIFICATE OF WASTE STATUS, ANALYTICAL AND
 CHAIN OF CUSTODY.

Estimated Volume 20 CUBIC YARDS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 1-24-01
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: Montague J. [Signature] TITLE: Environmental Geologist DATE: 1-29-01

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

COMPANY / GENERATOR: Duke Energy 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 20 cubic yards

GENERATING PROCESS Manley 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 261.3.

AGENT Kevin Gerber
SIGNATURE

NAME Kevin Gerber
PRINTED

ADDRESS P.O. Box 66

Oil Center, N. M

DATE 1-23-2001



PHONE (915) 873-7001 • 2111 BEECHWOOD • ARLENE, TX 79603

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

WCS

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: H5413-1

Analysis Date: 12/13/00
Sampling Date: 12/08/00
Sample Type: SOLID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP SEMI-VOLATILES (ppm)	EPA LIMIT	Sample Result H5413-1	Method Blank	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	0.024	48	0.050
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
Hexachlorohane	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	0.028	52	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.040	80	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.048	82	0.050
2,4-Dinitrofluorene	0.130	<0.020	<0.005	0.048	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

% RECOVERY

Fluorophenol	32
Phenol-d5	23
Nitrobenzene-d5	64
2-Fluorobiphenyl	66
2,4,6-Tribromophenol	82
Terphenyl-d14	99

METHODS: EPA SW 846-8270, 1311, 3510

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

12/14/00
Date

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JAN-23-2001 00:05

**ARDINAL
LABORATORIES**

PHONE (817) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 363-2326 • 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: H5413-1Analysis Date: 12/17/00
Sampling Date: 12/08/00
Sample Type: SOLID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5413-1	Method Blank	QC	%Recov.	True Value QC
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	<0.050	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	0.067	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
Trichloroethylene	0.5	<0.005	<0.005	0.091	91	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.089	89	0.100
Chlorobenzene	100	<0.005	<0.005	0.094	94	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	113
Toluene-d8	113
Bromofluorobenzene	112

METHODS: EPA SW 846-8280, 1311

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

12/14/00
Date

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PHONE (805) 393-2326 • 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: PLASTIC
 Lab Number: H5413-2

Analysis Date: 12/13/00
 Sampling Date: 12/08/00
 Sample Type: SOLID
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

TCLP SEMI-VOLATILES (ppm)	EPA LIMIT	Sample Result H5413-2	Method Blank	True Value		
				QC % Recov.	QC	
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-Cresol	200	<0.020	<0.005	0.033	66	0.050
Hexachlorobenzene	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	0.028	52	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.040	80	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.048	92	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.048	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

% RECOVERY

Fluorophenol	48
Phenol-d5	32
Nitrobenzene-d5	87
2-Fluorobiphenyl	82
2,4,6-Tribromophenol	85
Terphenyl-d14	89

METHODS: EPA SW 846-8270, 1311, 3510

Burgess G. A. Cooke
 Burgess G. A. Cooke, Ph. D.

12/14/00
 Date

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 PHONE (505) 363-2326 • 101 E. MARLAND • MOORE, 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: 12/11/00
 Sampling Date: 12/08/00
 Sample Type: SOLID
 Sample Condition: COOL & INTACT
 Sample Received By: GP
 Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5413-2	Method Blank	QC	%Recov.	True Value QC
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	<0.050	0.083	83	0.100
Chloroform	6.0	<0.005	<0.005	0.089	89	0.100
1,2-Dichloroethane	0.6	<0.005	<0.005	0.087	87	0.100
Benzene	0.6	0.015	<0.005	0.088	88	0.100
Carbon Tetrachloride	0.6	<0.005	<0.005	0.092	92	0.100
Trichloroethylene	0.6	<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	<0.005	0.104	104	0.100

% RECOVERY

Dibromofluoromethane	95
Toluene-d8	97
Bromofluorobenzene	97

METHODS: EPA SW 846-8260, 1311

Burgess S. A. Coble
 Burgess S. A. Coble, P. D.

12/14/00
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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.



PHONE (915) 573-7801 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: VICKIE GUNTER
P.O. BOX 60020
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 Date: 12/08/00
Sample Type: SOLID
Sample Condition: INTACT
Sample Received By: GP
Analyzed By: AH/3P

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	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
HS413-1	WOOD	<2	<1	<5	<0.1	<1	<1	<0.2	<0.1
HS413-2	PLASTIC	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.193	4.719	44.66	1.047	5.008	0.00845	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		2.0	0.5	3.7	0.3	2.9	5.8	0.4	2.0
METHODS: EPA 1311, 800/4-91/01		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Burgess J. Coche
Chemist

12/16/00
Date

HS413M.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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.



PHONE (915) 672-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (805) 393-2328 • 101 E. MARLAND • NOBBS, 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: 12/18/00
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

LAB NUMBER SAMPLE ID	REACTIVITY			
	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (F)
ANALYSIS DATE:	12/14/00	12/14/00	12/16/00	12/18/00
H5413-1 WOOD	Not reactive	Not reactive	6.94	Nonflammable
H5413-2 PLASTIC	Not reactive	Not reactive	5.94	Nonflammable
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 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Burton J. Coche
Chemist

12/18/00
Date

PLUMBERS LIABILITY AND DAMAGES: Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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.

District I - (505) 393-6161
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 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 Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CONOCO, INC.
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	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, MALJAMAR	NEW MEXICO
9. <u>Circle One</u> :	
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:

01-010

FOLLOW UP ON VERBAL APPROVAL BY WAYNE PRICE FOR CONCRETE.
 SEE ATTACHED E-MAIL.

Estimated Volume 40 CUBIC YARDS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 1-25-01
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: CARMELLA VAN MAANEN TELEPHONE NO. (505) 393-1079

(This space for State Use) WAYNE PRICE 01-23-01
 APPROVED BY: _____ TITLE: _____ DATE: _____
 APPROVED BY: Monty J. Kelly TITLE: Environmental 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
 >> of
 >> 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
>>
>>

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

016
 Form C-1-
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropriate
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CONOCO GAS PLANT
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 PLANT	MALJAMAR 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. <input checked="" type="radio"/> 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:

02-001

CONOCO THROUGH CRI REQUESTS THAT YOU CONFIRM OUR TELEPHONE CONSERVATION OF 01-18-01 IN WHICH YOU GAVE VERBAL APPROVAL FOR CONOCO TO MIX DRY NON-EXEMPT WASTE WHICH HAS BEEN APPROVED BY C-138 AND DRY EXEMPT WASTE FROM THEIR OPERATION FOR TRANSPORTATION TO CRI.

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 2-5-01
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: Monty J. Kelly TITLE: Environmental Geologist DATE: 2/15/01

District I - (505) 393-6161
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 Hobbs, NM 88241-1980
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 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
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 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CONOCO, INC.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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, MALJAMAR	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:

02-002

SUMP WATER

ENCLOSED IS THE ANALYTICAL, CERTIFICATE OF WASTE STATUS, PROCESS KNOWLEDGE LETTER, AND COPY OF LAST C-138. THIS WASTE HAS BEEN APPROVED IN THE PAST.

Eng.

Estimated Volume 300 BBLS. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: BOOKKEEPER DATE: 2-6-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: CARMELLA VAN MAANEN TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: Resended Marye Kieling TITLE: _____ DATE: _____
~~DENIED~~

APPROVED BY: Monty J. Kiel TITLE: Environmental Geologist DATE: 2-19-01

District I - (505) 393-6161
 P. O. Box 1980
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 511 E. 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 Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CONOCO, INC.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site 1001 CONOCO R
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3. Address of Facility Operator P.O. BOX 388, HOBBS	8. State NEW MEXICO
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9. <u>Circle One</u> :	
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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:

02-002

SUMP WATER

ENCLOSED IS THE ANALYTICAL, CERTIFICATE OF WASTE STATUS, PROCESS KNOWLEDGE LETTER, AND COPY OF LAST C-138. THIS WASTE 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) _____ cy

SIGNATURE: _____ TITLE: BOOKKEEPER DATE: 2-6-01
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: _____ DATE: _____

02/06/01 11:18 5053933615

CRI

003

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 Mark Bishop
SIGNATURE

676-3519

NAME Mark Bishop
PRINTED

ADDRESS PO BOX 90
Maljamar NM

DATE 2-9-01

District I - (505) 393-6161
 P.O. Box 1980
 Hobbs, NM 88241-1980
 District II - (505) 748-1283
 P.O. Box 1980
 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-1
Originated 8/8

RECEIVED
JUL 17 2000
 Environmental Bureau
 Oil Conservation Division

Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Conoco, Inc.
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site 1001 Conoco Rd.
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 1001 Conoco Rd., Maljamar	8. State New Mexico
9. <u>Circle One:</u> 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. <input checked="" type="radio"/> 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:

07-001

Sump Water - "See attached letter"
 Enclosed is the analytical, certificate of waste status and process knowledge letter.

Estimated Volume 150 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 07-10-00
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: Martina R. Hill TITLE: Environmental 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 LABORATORY
 6880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77034
 (713) 660-0801

Case Narrative for:
Conoco Inc.

Certificate of Analysis Number:
00060378

<p>Report To: Conoco Inc. Rudy Quiñez P.O. Box 90 1001 Conoco Rd Maljamar NM 88264- ph: (505) 676-3603 fax: (505) 676-3533</p>	<p>Project Name: Clark Sump Site: Maljamar Gas Plant Site Address: PO Number: State: New Mexico State Cert. No.: Date Reported: 6/21/00</p>
--	--

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: 00060378-01) was analyzed for Purgeable Aromatics by SW846 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.

Sonia West
 West, Sonia
 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: Conoco Inc.
 Rudy Quinez
 P.O. Box 90
 1001 Conoco Rd
 Maljamar
 NM
 88264-
 ph: (505) 676-3503 fax: (505) 676-3533

Fax To: Conoco Inc.
 Rudy Quinez 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

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	<input checked="" type="checkbox"/>

Sonia West
 West, Sonia
 Senior Project Manager

6/21/00

Date

Joel Grice
 Laboratory Director

Ted Yen
 Quality Assurance Officer

6/21/00 12:03:48 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: 00060378-01

Site: Maljamar Gas Plant

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
CORROSIVITY			MCL	SW9045C	Units: pH Units		
Corrosivity	7.9	0		1	06/15/00 16:45	C_V	309925
IGNITABILITY			MCL	SW1010	Units: °F		
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 #: HGL_000616A-309843

Prep Method	Prep Date	Prep Initials
SW7471A	06/15/2000 14:30	PB

METALS BY METHOD 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 #: TJA_000615A-310155

Prep Method	Prep Date	Prep Initials
SW3050B	06/15/2000 13:00	MR

Run ID/Seq #: TJAT_000616A-310555

Prep Method	Prep Date	Prep Initials
SW3050B	06/15/2000 13:00	MR

PURGEABLE AROMATICS			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-Difluorobenzene	115 %	59-127		10	06/16/00 13:46	CJ	310598
Surr: 4-Bromofluorobenzene	165 %	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		1	06/16/00 8:00	ES	310493

REACTIVE SULFIDE - SOLID			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 >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL

6/21/00 12:03:51 PM

No.0391 P. 4/18

5056763633 Jul. 6. 2000 10:15AM



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: 00060378-01

Site: Maljamar Gas Plant

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TPH TEXAS 1005			MCL	TX_EPH	Units: mg/Kg		
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 #: HP_B_000615B-310210

Prep Method	Prep Date	Prep Initials
TX_EPH	06/15/2000 10:00	CB

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL

6/21/00 12:03:52 PM

No. 0391 P. 5/18

5056763533 Jul. 6. 2000 10:16AM

Quality Control Documentation



Quality Control Report

Conoco Inc.
Clark Sump

Analysis: TPH Texas 1005
Method: TX_EPH

WorkOrder: 00060378
Lab Batch ID: 5420

Method Blank

Samples in Analytical Batch:

RunID: HP_B_000615B-310100 Units: mg/Kg
Analysis Date: 06/15/2000 11:38 Analyst: AM
Preparation Date: 06/15/2000 10:00 Prep By: CB Method TX_EPH

Lab Sample ID: 00060378-01B
Client Sample ID: Clark Sump

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

Laboratory Control Sample (LCS)

RunID: HP_B_000615B-310205 Units: mg/Kg
Analysis Date: 06/15/2000 14:30 Analyst: AM
Preparation Date: 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_000615B-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 Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
> 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



Quality Control Report

Conoco Inc.
Clark Sump

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 00060378
Lab Batch ID: R15794

Method Blank

Samples in Analytical Batch:

RunID: HP_J_000616A-310587 Units: ug/Kg
Analysis Date: 06/16/2000 6:35 Analyst: CJ

Lab Sample ID: 00060378-01A
Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 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	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_000616A-310585 Units: ug/Kg
Analysis Date: 06/16/2000 5:38 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High 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



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_000815A-310151 Units: mg/Kg
 Analysis Date: 06/15/2000 16:50 Analyst: E_B
 Preparation Date: 06/15/2000 13:00 Prep By: MR Method SW3050B

Lab Sample ID: 00060378-01B
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Barium	ND	0.5
Cadmium	ND	0.5
Chromium	ND	1
Silver	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_000815A-310152 Units: mg/Kg
 Analysis Date: 06/15/2000 16:55 Analyst: E_B
 Preparation Date: 06/15/2000 13:00 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper 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_000815A-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 % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	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	0.0587	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



Quality Control Report

Conoco Inc.
Clark Sump

Analysis: Metals by Method 6010B, Total
Method: SW6010B

WorkOrder: 00060378
Lab Batch ID: 5428-T

<u>Method Blank</u>		<u>Samples in Analytical Batch:</u>	
RunID: TJAT_000616A-310553	Units: mg/L	<u>Lab Sample ID</u>	<u>Client Sample ID</u>
Analysis Date: 06/16/2000 13:00	Analyst: EG	00060378-01B	Clark Sump
Preparation Date: 06/15/2000 13:00	Prep By: MR Method SW3050B		

Analyte	Result	Rep Limit
Arsenic	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_000616A-310554 Units: mg/Kg
Analysis Date: 06/16/2000 13:05 Analyst: EG
Preparation Date: 06/15/2000 13:00 Prep By: MR Method SW3050B

Analyte	Spike 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: 06/16/2000 13:21 Analyst: EG
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 % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	200	176	87.8	200	178	88.6	0.840	20	75	125
Lead	5.1	100	95.8	90.7	100	96.5	91.4	0.767	20	75	125
Selenium	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



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

Quality Control Report

Conoco Inc.
 Clark Sump

Analysis: Mercury, Total
 Method: 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 Analyst: PB 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)

RunID: HGL_000616A-309835 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	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 Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.074	0.33	0.422	105	0.33	0.42	105	0.317	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 12:03:58 PM

No. 0391 P. 11/18

5056763533

Jul. 6. 2000 10:18AM



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

Quality Control Report

Conoco Inc.
 Clark Sump

Analysis: Ignitability
 Method: SW1010

WorkOrder: 00060378
 Lab Batch ID: R

Samples in Analytical Batch:

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
00060378-01B	Clark Sump

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

6/21/06 12:03:57 PM



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

Quality Control Report

Conoco Inc.

Clark Sump

Analysis: Corrosivity
 Method: SW9045C

WorkOrder: 00060378
 Lab Batch ID: R15763

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
00060378-01B	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
 RunID: WET_000615E-309922 Units: pH Units
 Analysis Date: 08/15/2000 16:45 Analyst: C_V

Analyte	Sample Result	DUP Result	RPD	RPD Limit
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

No. 0391 P. 13/18

5056763533 Jul. 6. 2000 10:18AM



HOUSTON LABORATORY
 8380 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: WET_000816A-310491 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Lab Sample ID: 00060378-01B
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

Sample Duplicate

Original Sample: 00060391-01
 RunID: WET_000816A-310494 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Analyte	Sample Result	DUP Result	RPD	RPD Limit
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

No. 0391 P. 14/18

5056763533 Jul. 6. 2000 10:18AM



HOUSTON LABORATORY
 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
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Lab Sample ID: 00060378-01B
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

Sample Duplicate

Original Sample: 00060391-01
 RunID: WET_000616B-310505 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

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*



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No:

00060378

100292

Requested Analysis

page 1 of 1

Client Name: CONOCO INC.

Address/Phone: P.O. Box 90 Midyandre, P.M. Sec. 071-5000

Client Contact: Rudy Quiroz

Project Name: Clark Sump

Project Number:

Project Location: Midyandre Gas Plant

Invoice To: Conoco Inc. P.O. Box 90 Midyandre 88224

SAMPLE ID DATE TIME comp grab

matrix bottle size pres. Number of Containers
W=water S=soil SL=sludge O=other:
P=plastic A=amber glass C=glass V=vial
1=1 liter 4=4oz 40=vial 8=8oz 16=16oz
1=HCl 2=HNO3 3=H2SO4 O=other:

BTEX
RCRA Metals
RCI
TPH

Clark Sump 6/14/00 9:00am X
Clark Sump 6/14/00 9:00am X
Clark Sump 6/14/00 9:00am X

RUSH

Client/Consultant Remarks: Fac Copy of Results to Ashley Finnam 281-293-1274

Laboratory remarks:

Requested FAT

Special Reporting Requirements

Fast Results

Level 3 QC

Raw Data

Level 4 QC

Special Detection Limits (specify):

Intact? Y N
Temp: 3

PM review (initial): MS

24hr 72hr

48hr Standard

Other

1. Relinquished by Sample: Rudy Quiroz
3. Relinquished by: Rudy Quiroz
5. Relinquished by:

date 6/14/00 time 9:30 am
date time

2. Received by:
4. Received by:
6. Received by Laboratory: Donna 800 4/15/00

8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
 459-Huehes Drive. Traverse Citv. MI 49684 (616) 947-5777

500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

District I - (505) 393-6161
 P. 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

013
 Originated 8/8/

Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ SERVICES
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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: 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:

02-003

WASH BAY WASTEWATER. THE MATERIAL WAS GENERATED BY WASHING TRUCKS.

THIS MATERIAL HAS BEEN APPROVED IN THE PAST. I HAVE INCLUDED A CERTIFICATE OF WASTE STATUS AND COPY OF LAST C-138.

Estimated Volume 300 BBLs. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 2-6-01
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: Monty J. [Signature] TITLE: Environmental Geologist DATE: 2/13/01

FEB-02-2001(FRI)

17:07

BJ SERVICES-HOBBS

02/02/01

16:38

5053933015

CRI

002

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

COMPANY / GENERATOR: BJ Services

ADDRESS 2708 West County Road, Hobbs, NM 88240

GENERATING SITE Hobbs Facility

COUNTY Lea STATE NM

TYPE OF WASTE Wash Bay Wastewater

ESTIMATED VOLUME 300 bbls.

GENERATING PROCESS Washing trucks

REMARKS _____

NMOOD 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 261.3.

AGENT *Chon Bivas*
SIGNATURE

NAME Chon Bivas
PRINTED

ADDRESS 2708 West County Road
Hobbs, NM 88240

DATE 2/2/01

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
111 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

Submit Origin Plus 1 C to approp District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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:	
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:

07-003

Wash bay wastewater. The material was generated by washing trucks.

This material has been approved in the past. I have included a certificate of waste status and copy of the last C-138.

Estimated Volume 225 bbl. cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 07-12-00
Waste Management Facility/Authorized Agent
TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)
APPROVED BY: Donna Williams TITLE: Junior Eng. Specialist DATE: 7-21-00
APPROVED BY: Matthew J. Williams TITLE: Environmental Geologist DATE: 7-25-00

District I - (505) 393-6161
 P. 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

Form C-13
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropriate
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator EQUILON PIPELINE CO., LL
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site P.O. BOX 2648 HOUSTON, TX 77252
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)	
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:

02-004

SOIL CONTAMINATED WITH CRUDE OIL GENERATED BY A PIPELINE SPILL.

I AM ENCLOSING ANALYTICAL DATA, CHAIN OF CUSTODY, AND CERTIFICATE OF WASTE STATUS.

Estimated Volume 300 CUBIC YARDS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: BOOKKEEPER DATE: 2-6-01
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: Monty J. King TITLE: Environmental Geologist DATE: 2/13/01



02/05/2001 00:08 713-241-4119
02/05/01 09:37 5053933615

EQUILON JENA
CRI

PAGE 02/02
002

**CERTIFICATE 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 214 W. County Rd 61, Hobbs, NM 88240

COUNTY Lea STATE NM

TYPE OF WASTE Soil contaminated with crude oil

ESTIMATED VOLUME Approx 300 cy

GENERATING PROCESS Pipeline spill

REMARKS _____

NMOCDF FACILITY _____

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 261.3.

AGENT Jena Henry
SIGNATURE

NAME E.V. (Jena) Henry
PRINTED

ADDRESS P.O. Box 2648

Houston, TX 77252

DATE 2/5/01



ARDINAL LABORATORIES

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

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

ANALYTICAL RESULTS FOR
GJR CONTRACTORS
ATTN: J.L. HAM
P.O. BOX 1080
DENVER CITY, TX 79323
FAX TO: (808) 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
H5504-2	TPH-NORTH END 2' DEPTH	208
Quality Control		234
True Value QC		240
% Recovery		97.5
Relative Percent Difference		2.1

METHOD: EPA 600/4-79-020 418.1

Burgess A. Carter
Chemist

1/9/01
Date

H5504A.XLS
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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 (805) 893-2328 • 101 E. MARLANO • 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)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/08/01	01/08/01	01/08/01	01/08/01
H5504-3	BTEX EXCAVATED	0.292	0.254	2.79	7.25
H5504-4	BTEX EAST AREA	0.738	1.81	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 Percent Difference		18.5	15.5	13.9	14

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

Analyst

1-9-01

Date

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H5504\$HOBBS\$BTEXONLY



PHONE (817) 573-7001 • 2111 BEECHWOOD • ABILENE, TX 79602
 PHONE (505) 595-2325 • 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: 01/18/01
 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

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5504-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.082	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	8.0	<0.005	<0.005	0.084	94	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.096	96	0.100
Benzene	0.6	<0.005	<0.005	0.084	84	0.100
Carbon Tetrachloride	0.6	<0.005	<0.005	0.083	93	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.098	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-Dichlorobenzene	7.6	<0.005	<0.005	0.099	99	0.100

% RECOVERY

1,2-Dichloroethane-d4	98
Toluene-d8	101
Bromofluorobenzene	101

METHODS: EPA SW 846-8280, 1311

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

1/19/01
 Date

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 PHONE (505) 883-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
 CJR CONTRACTORS
 ATTN: J.L. HAM
 401 W. BROADWAY
 DENVER CITY, TX 78323
 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: 01/08/01
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: BC
 Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5504-1	Method Blank	QC	% Recov.	True Value 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	0.028	82	0.050
m, p-Cresol	200	<0.020	<0.005	0.024	48	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.027	64	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
2,4,6-Trichlorophenol	400	<0.020	<0.005	0.032	64	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.026	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

% RECOVERY

Fluorophenol	82
Phenol-d5	21
Nitrobenzene-d5	69
2-Fluorobiphenyl	86
2,4,6-Tribromophenol	89
Terphenyl-d14	117

METHODS: EPA SW 846-8270, 1811, 3510

Burgess J.A. Cook
 Burgess J.A. Cook, Ph. D.

1/17/01
 Date

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PHONE (815) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
 PHONE (505) 893-2828 • 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: 01/17/01
 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

LAB NUMBER SAMPLE ID	REACTIVITY			
	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:	01/17/01	01/17/01	01/17/01	01/17/01
H5504-1 COMP. 1-4	Not reactive	Not reactive	6.25	Nonflammable
Quality Control	NR	NR	7.02	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 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Burton P. Ashe
 Chemist

1/17/01
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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, the subcontractor, or any other party 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.



PHONE (817) 678-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
 PHONE (505) 323-2326 • 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: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: BC
 Analyzed By: AH

TCLP METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		01/15/01	01/16/01	01/18/01	01/18/01	01/18/01	01/18/01	01/19/01	01/19/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H8504-1	COMP. 1-4	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.194	4.859	25.87	1.050	5.117	5.001	0.00604	0.053
True Value QC		0.200	5.000	25.00	1.000	5.000	5.000	0.00800	0.050
% Recovery		97.0	97.2	109	105	102	100	101	106
Relative Standard Deviation		2.4	0.3	4.8	0.5	1.2	0.6	0.6	5.8
METHODS: EPA 1311, 600/4-91A		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
 Chemist

1-19-01
 Date

NOTE: Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of data, 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.

02/02/2001 01:59 713-241-4119
02/02/2001 10:30 5053932476



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79602
PHONE (806) 393-2325 • 101 E. MARLAND • HOBBS, NM 88240

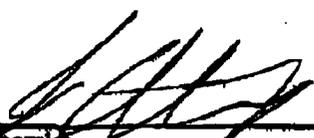
**ANALYTICAL RESULTS FOR
CJR CONTRACTORS
ATTN: J.L. HAM
401 WEST BROADWAY
HOBBS, NM 88240
FAX TO:**

Receiving Date: 01/08/01
Reporting Date: 01/08/01
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)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/08/01	01/08/01	01/08/01	01/08/01
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 Percent Difference		18.5	15.5	13.9	14

METHOD: EPA SW 846-8020, 8030, Gas Chromatography



Analyst

1-9-01

Date

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H5504SHOBBSBTEXONLY



PHONE (817) 875-7001 • 2111 BEECHWOOD • ARLING, TX 76003
PHONE (805) 383-2328 • 101 E. MARLAND • HOBBS, NM 88240

**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
H5504-2	TPH-NORTH END 2' DEPTH	208
Quality Control		234
True Value QC		240
% Recovery		97.5
Relative Percent Difference		2.1

METHOD: EPA 600/4-78-020 418.1

Bryant J. Cash
Chemist

1/9/01
Date

H5504A.XLS
PLEASE NOTE: Claims and Damages. Cardinal's liability and clients exclusive remedy for any claim arising, whether 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 claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after 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 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 reports or otherwise.

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



To MARTYNE KIELING **From:** CARMELLA

Fax: 505-476-3462 **Pages:** 16, INCLUDING COVER

Phone: **Date:** 02-06-01

Re: **CC:**

Please Mail - original Signatures are Needed
along with Clear Copies - Faxes are at times
Hard to Read. Thanks Martyne

Urgent For Review Please Comment Please Reply Please Recycle

● **Comments:** MARTYNE, I AM SUBMITTING THESE FOR APPROVAL. IS IT OK IF I FAX THEM OR WOULD YOU PREFER IF I MAIL THEM? PLEASE LET ME KNOW. THANKS, CARMELLA

District I - (505) 393-6161
 P.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

Form C-13
 Originated 8/8/
 Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Marathon Oil Company
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site Indian Basin Gas Plant
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) P.O. Box 1324, Artesia	8. State 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:

02-005

Office and plant trash generated through office and plant operations.

I am enclosing a non-exempt certificate of waste status, discharge plan, and letter (see attached), to extend this process for the year 2001.

Estimated Volume appx. 100 yds. monthly cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Bookkeeper DATE: 2-16-01
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: [Signature] TITLE: Env. Geologist DATE: 2-16-01

District I - (505) 393-6161
 P. 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

Form C-13
 Originated 8/8/

Submit Origin
 Plus 1 Co
 to appropri:
 District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Marathon Oil Company
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Indian Basin 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 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:

02-005

Office and plant trash generated through office and plant operations.

I am enclosing a non-exempt certificate of waste status, discharge plan, and letter (see attached), to extend this process for the year 2001.

Estimated Volume appx. 100 yds. monthly cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: Bookkeeper DATE: 2-16-01
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: _____ 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

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 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 261.3.

AGENT Pat Reynolds
SIGNATURE

NAME Pat Reynolds
PRINTED

ADDRESS P.O. Box 1324

Artesia, NM 88211-1324

DATE 2-15-01

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
Pat Reynolds
E&S Technician
Indian Basin Operations

Table 2. Waste Sources, Waste Classification, and Waste Treatment/Disposal Methods

Waste	Waste Classification	Treatment/Disposal Methods	Disposal/Recycle Location	Plant Storage Location
BATTERIES, SPENT (generator, backup lighting, and vehicle)	nonexempt, potentially hazardous	recycle	The Tire Co., Carlsbad, NM	drum storage area
CARBON, SPENT (amine or glycol system)	exempt	1) exempt waste disposal facility 2) nonhaz industrial landfill*	1) Exempt waste disposal facility Lea Land nonhaz landfill*	roll-off bin when needed
COOLING TOWER CLEANING WASTE SOLIDS	nonexempt, potentially hazardous	injection; off site Class II well	I & W Services, Artesia, NM	frac tank until testing complete
DRUMS, SPENT	nonexempt, potentially hazardous	recycle	NA	drum storage area
FILTERS- GLYCOL & AMINE FILTERS & FILTER MEDIA (glycol sock filters, amine charcoal filters, amine bag filters)	exempt	1) recycle by incineration exempt waste disposal facility	1) Quell or Procycle 2) Exempt waste disposal facility	south east of plant
FILTERS- INLET AIR FILTERS (turbine, compressor, recompressors, & generators)	nonexempt nonhazardous	landfill	Carlsbad municipal landfill or Lea Land nonhaz landfill	dumpster on west side plant
FILTERS- NATURAL GAS FILTERS	exempt	1) recycle by incineration exempt waste disposal facility	1) Quell or Procycle 2) Exempt waste disposal facility	south east of plant
FILTERS- STABILIZER COMPRESSOR/ AIR COMPRESSOR	nonexempt	recycle by incineration	Quell or Procycle	west side plant
LUBE OIL FILTERS	nonexempt	recycle by incineration	Quell or Procycle	south east of plant
FILTERS- TURBINE LUBE OIL FILTERS	nonexempt	1) exempt waste disposal facility 2) nonhaz industrial landfill*	1) Exempt waste disposal facility Lea Land nonhaz landfill*	roll-off bin or drums when needed
GLYCOL CERAMIC SADDLES, SPENT	exempt	as dictated by sampling	as dictated by sampling	NA
HYDROBLASTING & SANDBLASTING MEDIA	nonexempt, potentially hazardous	recycle	Procycle	Oil recycle storage area
LABORATORY WASTES (starch and iodine, silver nitrate, water test reagents)	nonexempt, potentially hazardous	incinerated	Safety-Kleen determines	drum storage area
MOLECULAR SIEVE, SPENT	exempt	1) exempt waste disposal facility 2) nonhaz industrial landfill*	1) Exempt waste disposal facility Lea Land nonhaz landfill*	west side plant
NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM)	NORM waste	unknown pending State Regulation	unknown	NORM storage area
OFFICE AND PLANT TRASH	nonexempt nonhazardous	dumpster	Carlsbad municipal landfill	west side plant
OIL- vehicle motor, crankcase (chemical injection pump, high 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	Oil recycle storage area
PAINT, WASTE (non-empy cans, dried paints, waste paint)	nonexempt, potentially hazardous	incinerated; supplemental fuel	Safety-Kleen determines	drum storage area
RAGS, OILY	exempt & nonexempt	recycle by incineration	Quell or Procycle	south east of plant
SAFETY-KLEEN 106 SOLVENT-MS	nonexempt hazardous	recycle	Safety-Kleen determines	pumper shack, 55-gallon drum
SAFETY-KLEEN AQUAWORKS SOLVENT	nonexempt nonhazardous	recycle	Safety-Kleen determines	
SOIL- AMINE CONTAMINATED (Spent)	exempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SOIL- AMINE CONTAMINATED (Virgin)	nonexempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SOIL- GLYCOL CONTAMINATED (Spent)	exempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SOIL- GLYCOL CONTAMINATED (Virgin)	nonexempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SOIL- HYDROCARBON CONTAMINATED (exempt)	exempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SOIL- LUBE OIL CONTAMINATED (nonexempt)	nonexempt	landfarming/bioremediation	plant landfarm	landfarm staging area
SULFUR RECOVERY UNIT SPENT CATALYST & SUPPORT BALLS	exempt	1) exempt waste disposal facility 2) nonhaz industrial landfill*	1) Exempt waste disposal facility Lea Land nonhaz landfill*	roll-off bin when needed
SULFUR, OFF-SPEC	nonexempt nonhazardous	1) land discharge 2) nonhaz industrial landfill	1) West side of SRU, west of fence Lea Land Nonhaz Landfill	
SULFUR-CONTAMINATED SOIL	nonexempt nonhazardous	1) land discharge 2) nonhaz industrial landfill	1) West side of SRU, west of fence Lea Land Nonhaz Landfill	
TIRES, VEHICLE USED	nonexempt nonhazardous	recycle	The Tire Co., Carlsbad, NM	

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, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Weatherford ALS
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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) 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 approved. 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) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: **DENIED** Ignitability TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

**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, Hobbs, NM

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 James Sherlin
SIGNATURE

NAME James Sherlin
PRINTED

ADDRESS 1802 W. Marland

Hobbs, NM 88240

DATE 2-21-01

397165



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
 PHONE (505) 383-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 WEATHERFORD ALS
 ATTN: JAMES SHERLIN
 2821 W. MARLAND
 HOBBS, NM 88240
 FAX TO: (505) 393-4882

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 METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	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	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.051	4.870	49.95	1.008	0.985	5.051	0.00687	0.187
True Value QC		0.050	5.600	50.00	1.000	1.000	5.000	0.00800	0.200
% Recovery		102	97.4	99.9	101	98.5	101	97.8	98.5
Relative Standard Deviation		5.5	0.3	1.2	0.2	3.6	0.4	2.2	8.5
METHODS: EPA 1311, 800/A-91A		206.2	272.1	208.1	213.1	218.1	238.1	245.1	270.2

Gayle A. Potter
 Gayle A. Potter, Chemist

02/12/2001
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after 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 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 resources or otherwise.



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PHONE (805) 363-2326 • 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: 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

LAB NUMBER SAMPLE ID REACTIVITY
Sulfide Cyanide CORROSIVITY IGNITABILITY
(ppm) (ppm) (pH) (°F)

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 846-7.3, 7.2, 1010, 1311, 40 CFR 261

Burgess J. Coche
Chemist

2/14/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 employees, 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.



PHONE (916) 672-7001 • 2111 BEECHWOOD • ARILENE, TX 79803

PHONE (505) 393-2328 • 161 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: H5571-1
Sample ID: SUMP

Analysis Date: 02/08/01
Sampling Date: 02/01/01
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5571-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.018	32	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.038	78	0.050
o-Cresol	200	<0.020	<0.005	0.038	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.037	74	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.038	78	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	80	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.035	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-Dinitrotoluene	0.130	<0.020	<0.005	0.043	88	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.037	74	0.050
Pentachlorophenol	100	<0.020	<0.005	0.041	82	0.050

% RECOVERY

Fluorophenol	78
Phenol-d5	54
Nitrobenzene-d5	87
2-Fluorobiphenyl	108
2,4,6-Tribromophenol	77
Terphenyl-d14	113

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Coops
Burgess J.A. Coops, Ph. D.

2/20/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. 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 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 arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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

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

**ANALYTICAL RESULTS FOR
WEATHERFORD ALS
ATTN: JAMES SHERLIN
2921 W. MARLAND
HOBBS, NM. 88240
FAX TO: (505) 393-4892**

Receiving Date: 02/01/01
Reporting Date: 02/06/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H5571-1
Sample ID: SUMP

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-Dichloroethylene	0.7	<0.005	<0.005	0.086	86	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.082	82	0.100
Chloroform	8.0	<0.005	<0.005	0.089	89	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.082	82	0.100
Benzene	0.5	<0.005	<0.005	0.080	80	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.083	83	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.080	80	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.085	85	0.100
Chlorobenzene	100	<0.005	<0.005	0.082	82	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.080	80	0.100

% RECOVERY

Dibromofluoromethane
Toluene-d8
Bromofluorobenzene

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cook
Burgess J. A. Cook, Ph. D.

2/5/01
Date



CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88340
(915) 673-7001 Fax (915) 673-7020 (505) 363-2326 Fax (505) 363-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Weatherford HKS		P.O. #													
Project Manager: Sarah S. Martin		Company: Weatherford													
Address: 2621 W Marland		Addr: Dumas													
City: Hobbs		Address: PO Box 2606													
State: NM Zip: 88240		City: Hobbs 1													
Phone #: 505-393-3191 Fax #: 505-393-4892		State: NM Zip: 88240													
Project #:		Phone #: 393-3191													
Project Name:		Fax #: 393-4892													
Project Location:		PRESERVATION SAMPLES													
Specimen Name: GRAVE DIGGER		DATE TIME													
Form Used Only:		DATE TIME													
Lab I.D.	Sample I.D.	(S)RAB OR (C)OMP.	CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME	ANALYSIS REQUEST
H5571-1	Sump							<input checked="" type="checkbox"/>					2-19-01	1:50	TCP COMPLETE
															48.1

Cardinal cannot accept verbal changes. Please fax written changes to 800-363-2478.

Received By: **[Signature]** Date: **02-01-01** Time: **2:00**

Received By: (Lab Use) **[Signature]**

Received By: (Client Use) **[Signature]**

Sampled - UFG - Gas - Other:

Sample Condition: Yes No

Checked By: **[Signature]**

Remarks:

Special Instructions: Yes No

Form Number: Yes No

Lab Name: Yes No

Lab Address: Yes No

Lab Phone: Yes No

Lab Fax: Yes No

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, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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
<p>9. <u>Circle One:</u></p> <p>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.</p> <p>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.</p> <p>All transporters must certify the wastes delivered are only those consigned for transport.</p>	

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
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: Christy J. Kelly TITLE: Environmental Geologist DATE: 2-23-01

District I - (505) 393-0100
 P.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

Originated &
 Submit Orig
 Plus 1 C
 to approp
 District O

RECEIVED
 NOV 17 2000
 Environmental Bureau
 Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 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:

11-001

Wash rack sludge. Washing dirt and mud off of servicing equipment.

I am enclosing 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 operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 11-10-00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environ. Engineer Specialist DATE: 11/15/00

APPROVED BY: Monty A. Kelly TITLE: Environmental Geologist DATE: 11/17/00

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 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 261.3.

AGENT *Perry Britton*
SIGNATURE

NAME Perry Britton
PRINTED

ADDRESS 2401 Sivley

Artesia, NM 88210

DATE _____

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, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Star Tool Co.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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) Sanger & West Co. Road, Hobbs	New Mexico
9. <u>Circle One</u> : 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:

02-008

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 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
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: Martinez TITLE: Environmental Geologist DATE: 2-23-01

**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.J. Molina
SIGNATURE

NAME Oscar Molina
PRINTED

ADDRESS Box 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:

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,

A handwritten signature in black ink, appearing to read "Oscar Molina", with a long horizontal flourish extending to the right.

Oscar Molina

OM/dc

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, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Haliburton Energy Services
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy., Hobbs	8. State 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:

02-009

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
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 <u>[Signature]</u>	TITLE <u>Environmental Geologist</u>	DATE <u>2-23-01</u>

**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 Same as above

COUNTY Lea STATE NM

TYPE OF WASTE Oilfield trash

ESTIMATED VOLUME approximately 320 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 261.3.

AGENT *Steve W. Bailey*
SIGNATURE

NAME Steve Bailey
PRINTED

ADDRESS 5801 Lovington Hwy.

Hobbs, NM 88240

DATE 2-20-01

~~392-0746~~
0701

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



P. O. Box 1980
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

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

Revised 12
Submit Or
Plus 1 C
to Sar
1 Copy to appor
District C

**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 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 Section 7 Township 18 South Range 38 East
Submit large scale topographic map showing exact 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 facility.
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 waste 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 OCD rules, regulations and/or orders.
14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Sherman Pierce Title: Environmental Coordinator

Signature: [Signature] Date: 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 (tank, drum, etc.)	Estimated Vol. Stored	Location (Yard, Shop, Drum Stor., etc.)
1. Drilling Fluids (include general makeup & types special additives, e.g. oil, chrome, etc.)	Not Applicable				
2. Brines (KCL, NaCL, etc.)	Not Applicable				
3. 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)	Drum	90 gal.	Shop
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable				
6. Paraffin Treatment/emulsion Breakers (Provide names & MSDS sheets)	Numerous Chem.	(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, biocides, 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 cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
1. Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	Not Applicable		
2. Truck, Tank & Drum washing	Washrack water with oils from dumps, engines and hoses	100,000 gal/p month. Total water effluent	Soap in washrack rinsate.
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	
9. Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Not Applicable		

Part VII

Waste Type	General Composition and Source (solvents from small parts cleaning oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	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) <i>Socks Gloves Hose Rags.</i>	Waste Cement Empty Drums	1000 sacks per month 90 drums/per month	Varies Varies

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

HALLIBURTON ENERGY SERVICES

5801 LOVINGTON HWY

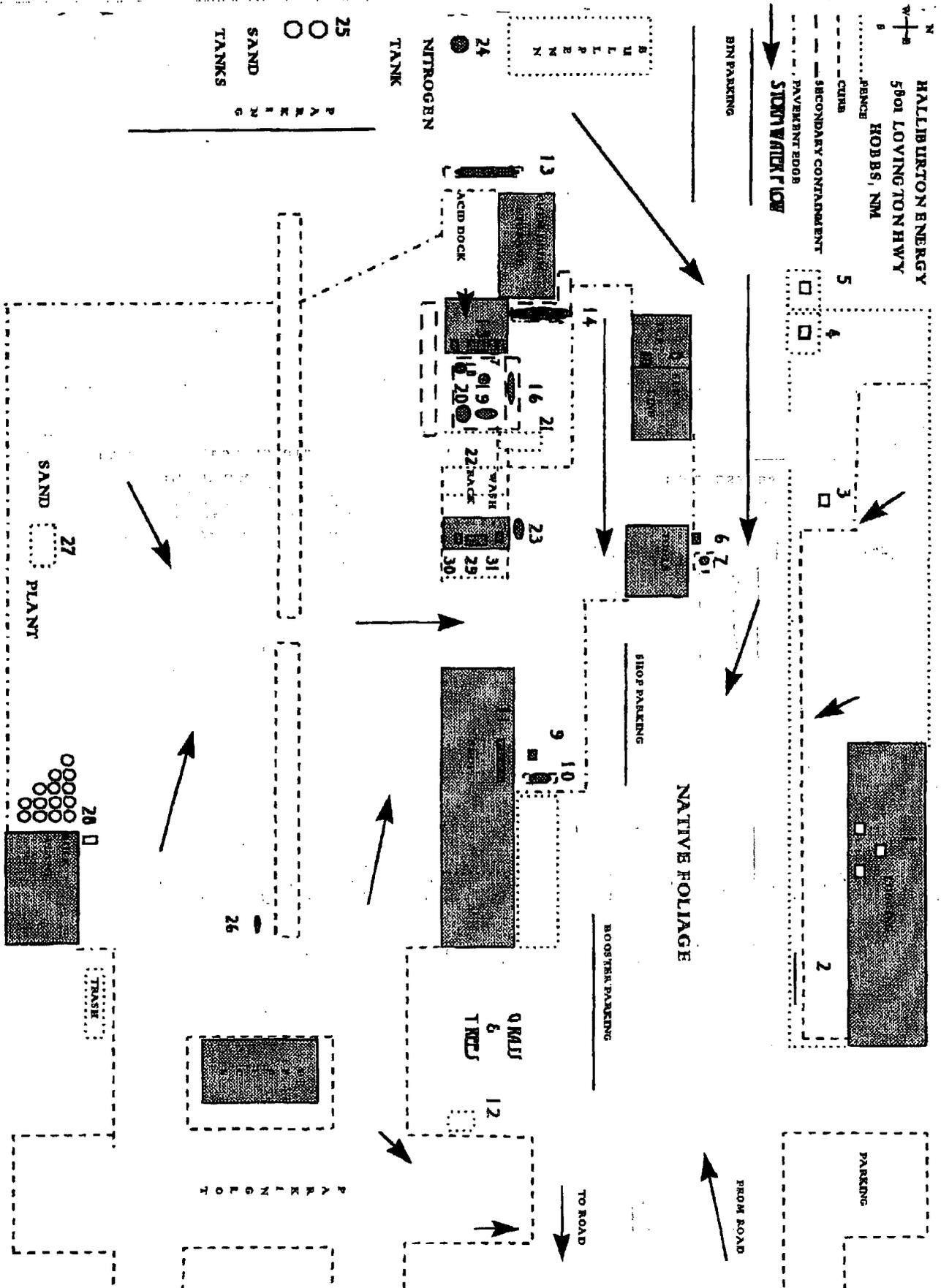
HOBBS, NM 88240

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
9. 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



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, 1995

Submit Original
 Plus 1 Copy
 to Appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Haliburton Energy Services
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site Artesia Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy., Hobbs	8. State 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:

02-010

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.

See

Estimated Volume appx. 120 yards monthly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
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: Walter J. Kops TITLE: Environmental Coordinator DATE: 3-8-01

02/21/01 17:32

5053933615

CRI

005

2-21-01; 4:09PM; HALLIBURTON

02/21/01 16:48

5053933615

CRI

5053927062

2/ 2

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 *Steve W. Bailey*
SIGNATURE

NAME Steve Bailey
PRINTED

ADDRESS 5801 Lovington Hwy.
Hobbs, NM 88240

DATE 2-21-01

P. O. Box 1980
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

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

Revised 12

Submit Or
Plus 1 C
to Sar

1 Copy to approx
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

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 Section 7 Township 18 South Range 38 East
Submit large scale topographic map showing exact 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 facility.
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 wastewater 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 OCD rules, regulations and/or orders.
14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Sherman Pierce Title: Environmental Coordinator

Signature:  Date: 9-24-97

Part VI

DISCHARGE PLAN APPLICATION

**HALLIBURTON ENERGY SERVICES
 5801 LOVINGTON HWY.
 HOBBS, NEW MEXICO 85240**

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.)
1. Drilling Fluids (include general makeup & types special additives, e.g. oil, chrome, etc.)	Not Applicable				
2. Brines (KCL, NaCL, etc.)	Not Applicable				
3. 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)	Drum	90 gal.	Shop
5. Solvents & Degreasers (Provide names & MSDS sheets)	Not Applicable				
6. Paraffin Treatment/emulsion Breakers (Provide names & MSDS sheets)	Numerous Chem.	(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, biocides, 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 cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners.)
1. Truck Wastes (Describe types of original contents trucked (e.g. brine, produced water, drilling fluids, etc.)	Not Applicable		
2. Truck, Tank & Drum washing	Washrack water with oils from dumps, engines and hoses	100,000 gal/per month. Total water effluent	Soap in washrack rinsate.
3. Steam Cleaning of small parts	Grease and oil from truck parts		Soap
Steam Cleaning of tool parts			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	
9. Solids and Sludge from tanks (describe types of materials, e.g. crude oil tank bottoms, sand, ect.)	Not Applicable		

Part VII

Waste Type	General Composition and Source (solvents from small parts cleaning oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	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)	Waste Cement Empty Drums	1000 sacks per month 90 drums/per month	Varies Varies
<i>sacks Gloves Hose Rags.</i>			

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

HALLIBURTON ENERGY SERVICES

5801 LOVINGTON HWY

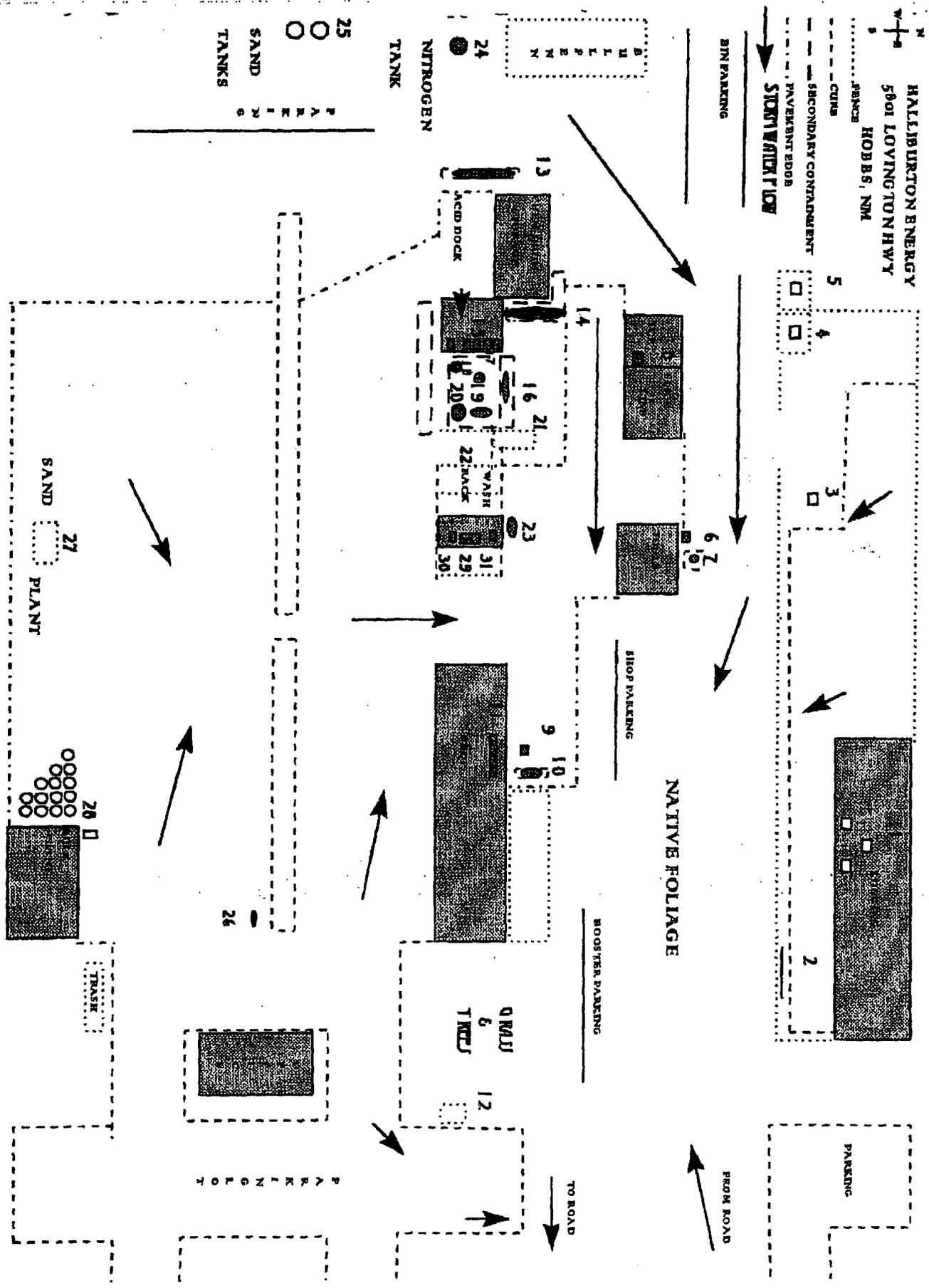
HOBBS, NM 88240

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* NOT IN SERVICE



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
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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

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OIL CONSERVATION DIVISION

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Conoco, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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., Maljamar	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. <input checked="" type="radio"/> 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:

02-011

Conoco has implemented a process to remove R.O. water from amine waste, therefore the volume of Amine waste will be minimal.

Conoco through CRI requests approval for Conoco to mix exempt amine waste with non-exempt sump water for transportation to CRI.

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-22-01
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: Montgomery J. Kelly TITLE: Environmental Geologist DATE: 2-23-01

original

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. 55
Santa Fe, NM 87505

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Midland Roustabout Service, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Kerr McGee Indian Basin
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) 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) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-27-01
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: Monty J. Kirby TITLE: Environmental Geologist DATE: 3-5-01

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

COMPANY / GENERATOR Midland Roustabout Service INC.

ADDRESS 11004 A East Greene St. Carlsbad, NM 88220

GENERATING SITE Kerr Mcgee Indian Basin

COUNTY Eddy STATE NM

TYPE OF WASTE oil and gas locations

ESTIMATED VOLUME 2- 6 yard loads per Month for 2001

GENERATING PROCESS Wastes from oilfield locations such as
sacks, bags, boards, rags, gloves, towels, wire, etc. for 2001

REMARKS This waste will not contain Hazardous materials.

NMOCDF FACILITY CRI

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]
SIGNATURE

NAME Deborah S. Smith
PRINTED

ADDRESS 11004 A East Greene St
Carlsbad, NM 88220

DATE 2-27-01

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 can be directed to either Don Cooke or Debbie Smith at (505) 234-9043.

Sincerely,



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

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Oil Conservation Division
Form C-138
Revised March 17, 1995
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Westinghouse TRU Solutions, LLC
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site WIPP Site
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) WIPP Site, Carlsbad	New Mexico
9. <u>Circle One</u> : 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:

03-001
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 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen 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)

APPROVED BY: **DENIED** TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

**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 Mineral Oil mixed with salt

ESTIMATED VOLUME 20 and 30 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 Anthony D. Donner
SIGNATURE

234-8972

NAME Anthony Donner
PRINTED

ADDRESS P.O. Box 2078

Carlsbad, NM 88221-2078

DATE 3/1/01

MATERIAL SAFETY DATA SHEET

WV2033.1

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 1. 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:	CAS Number:	Percent:	IARC/NTP/OSHA:	Exposure Limits:
Hard Burnt Magnesite (Magnesium Oxide)	1309-48-4	100	No	Nuisance Particulate OSHA PEL:TWA 15mg/m ³ ; respirable: 5mg/m ³ . ACGIH TLV:TWA Total dust: 10mg/m ³ ; respirable dust: 5mg/m ³ . ACGIH TLV:TWA respirable quartz 0.05mg/m ³ .
Quartz* (SiO ₂)	14808-60-7	0-1	Yes	

Typical Chemical Analysis, Wt.%(Loss Free Basis)

LOI(1000°C)	0.29
SiO ₂	2.8
Fe ₂ O ₃	1.3
Al ₂ O 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 IDENTIFICATION

H	HEALTH HAZARD	1 - SLIGHT HAZARD
M	FLAMMABILITY HAZARD	0 - MINIMAL HAZARD
I	REACTIVITY HAZARD	1 - 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****Phone: PREMIER CHEMICALS: 1-419-986-5126****Date Prepared: 9/00****CHEMTRAC, 24-Hr Emergency Assistance: 1-800-424-9300****This Revision:****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****Phone: PREMIER CHEMICALS: 1-419-986-5126****This Revision:****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**Apparent Specific Gravity (g/cc):** 3.56**Melting Point:** >3800°F (>2100°C)**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 pentafluoride; 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-1: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 I. Listed by NTP.TOXICITY DATA: no LD₅₀ 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.

MATERIAL 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 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)
 REL: Recommended Exposure Limit (NIOSH)
 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., 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

3.52 400
1.84 1000
3.0 3.1

4.65 = 300
CS

Material Safety Data Sheet

~~CHEVRON Mineral Seal 38~~

CPS241760

Page 1 of 6

SANDIA NATIONAL LABS
ATT: JOE HENFLING - OFR 6232
P.O. BOX 5800
ALBUQUERQUE, 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

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4056, Richmond, CA 94806.

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 eye irritation.

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:

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.

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 5mg/m³, the OSHA PEL is 5mg/m³.

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 LIMITS

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
3. Fire Hazard; NO
4. Sudden Release of Pressure Hazard; NO
5. 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	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
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

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 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).

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.

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
MAR 08 2001
Environmental Bureau
Oil Conservation Division
Form C-138
Revised March 17, 1995
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Westinghouse TRU Solutions, LLC
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site WIPP Site
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) 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 approved. 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) _____ cy

SIGNATURE Carmella Van Maanen 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)

APPROVED BY: **DENIED** TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

**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 pellets

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 *Anthony D. Donner*
SIGNATURE

NAME Anthony Donner
PRINTED

ADDRESS P.O. Box 2078

Carlsbad, NM 88221

DATE 3/1/01

MATERIAL SAFETY DATA SHEET

VV2099.1

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

SECTION 1. 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:	CAS Number:	Percent:	IARC/NTP/OSHA:	Exposure Limits:
Hard Burnt Magnesite (Magnesium Oxide)	1309-48-4	100	No	Nuisance Particulate OSHA PEL:TWA 15mg/m ³ , respirable; 5mg/m ³ . ACGIH TLV:TWA Total dust: 10mg/m ³ , respirable dust: 5mg/m ³ . ACGIH TLV:TWA respirable quartz 0.05mg/m ³ .
Quartz* (SiO ₂)	14808-60-7	0-1	Yes	

Typical Chemical Analysis, Wt.%(Loss Free Basis)

LOI(1000°C)	0.29
SiO ₂	2.8
Fe ₂ O ₃	1.3
Al ₂ O 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 IDENTIFICATION

H	HEALTH HAZARD	1 - SLIGHT HAZARD
M	FLAMMABILITY HAZARD	0 - MINIMAL HAZARD
I	REACTIVITY HAZARD	1 - 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****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.

ATERIAL SAFETY DATA SHEET**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 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Product is a brownish, free flowing powder; odorless.**Boiling Point:** Not Applicable**Apparent Specific Gravity (g/cc):** 3.56**Melting Point:** >3800°F (>2100°C)**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 pentafluoride; 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 TCl₀:400 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 LD₅₀ in RTECS. Ihl-hmn; TCl₀ 16 mppcf/8H/17.9Y-I:PUL; ihl:hmnLCl₀:300µ g/m³/10Y-I;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.

HAZARDOUS 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 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)
 REL: Recommended Exposure Limit (NIOSH)
 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., 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

3.52 40%
1.34 100%
3.0 3.1

2.65 = 30%
CS



Material Safety Data Sheet

~~CHEVRON Mineral Seal 38~~

CPS2417

Page 1 of 6

SANDIA NATIONAL LABS
ATT: JOE HENFLING - OPR 6232
P.O. BOX 5800
ALEBUQUERQUE, 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

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.

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 eye irritation.

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:

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.

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 5mg/m³, the OSHA PEL is 5mg/m³.

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 LIMITS

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
3. Fire Hazard; NO
4. Sudden Release of Pressure Hazard; NO
5. 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	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
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	

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 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).

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.

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

MAR 08 2001

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Dowell Schlumberger
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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) Artesia Facility, Artesia	New Mexico
9. <u>Circle One</u> : 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:

03-003

Truck wash bay generated by washing of trucks and oilfield equipment.

Enclosed is a certificate of waste status, analytical and chain of custody to extend this process for approximately 300 bbls. for the year 2001

Estimated Volume appx. 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen 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)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: Monty Phelps TITLE: Environmental Geologist DATE: 3-8-01

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 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 _____

NMOCDFACILITY Controlled Recovery, Inc.

TRUCKING COMPANY Unknown

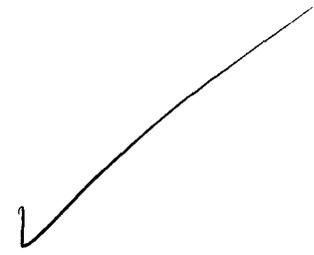
As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature 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 261.3.

AGENT Darwin Thompson
SIGNATURE

NAME Darwin Thompson
PRINTED

ADDRESS P.O. Box 640
Hobbs, NM 88240

DATE _____





**ARDINAL
LABORATORIES**

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) 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: HS285-1

Analysis Date: 10/26/00
Sampling Date: 10/25/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

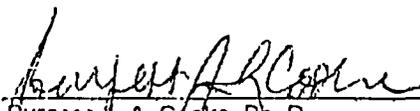
TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result HS285-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.008	16	0.050
1,4-Dichlorobenzene*	7.50	0.025	0.005	0.032	64	0.050
o-Cresol	200	<0.020	<0.005	0.028	56	0.050
m, p-Cresol	200	<0.020	<0.005	0.026	52	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.019	38	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	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
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-Fluorobiphenyl	71
2,4,6-Tribromophenol	79
Terphenyl-d14	91

METHODS: EPA SW 846-8270, 1311, 3510

*Analyte detected in sample and method blank.


Burgess A. Cooke, Ph. D.

10/30/00
Date



**ARDINAL
LABORATORIES**

PHONE (815) 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) 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

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 Ketone	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
Benzene	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

Dibromofluoromethane	85
Toluene-d8	91
Bromofluorobenzene	92

METHODS: EPA SW 846-8260, 1311

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

10/30/00
Date



**ARDINAL
LABORATORIES**

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

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

Sampling Date: 10/25/00
Sample Type: SLUDGE/SOLID
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC/AH

LAB NO.	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	BURN RATE (mm/sec)
	ANALYSIS DATE:	10/31/00	10/31/00	10/31/00	10/25/00
→ H5285-1	#1 W.B. SLUDGE	Not reactive	Not reactive	7.16	Nonflammable
H5285-4	#4 FILTER	Not reactive	Not reactive	3.93	Nonflammable
	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

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

[Signature]
Chemist

10/31/2000
Date



**ARDINAL
LABORATORIES**

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) 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 ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
---------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ANALYSIS DATE:	10/27/00	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	
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, 600/4-78-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
*Sludge	**Liquid (oil)	***Solid						

Gayle A. Potter
Gayle A. Potter, Chemist

11/01/2000
Date

H5285M.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 completion of the analytical 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.



ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Donal Shumbar P.O. #: BILL TO ANALYSIS REQUEST

Project Manager: David Thompson Company: _____

Address: P.O. Box City: _____ State: NM Zip: 88240

City: Hobbs State: NM Zip: 88240

Phone #: _____ Fax #: _____

Project Name: ARCSIA WSD Project Owner: _____

Project Location: _____ City: _____ State: _____ Zip: _____

Sampler Name: _____ Phone #: _____ Fax #: _____

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G) GRAB OR (C) COMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST			
				GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:				ACID/BASE:	ICE / COOL	OTHER:
15285-1	#1 W.B. Sludge	(G)	1					X				1/15/01	1:05	✓	TCP complete TSS, pH, FOG
	-2 #2 W.B. Water	(G)	2		X							1/15/01	1:15	✓	
	-3 #3 USED OIL	(G)	1					X				1/19/01	1:19	✓	
	-4 #4 Filter	(G)	1					X				1/20/01	1:20	✓	
	-5 #5 parts solvent	(G)	1					X				1/30/01	1:30	✓	

PLEASE NOTE: Liability and Damages. Cardinal's liability and owner's obligations terminate for any claim which is submitted to any state or federal court or any other dispute resolution forum. All claims, including those for negligence and any other cause whatsoever, shall be limited to the amount of the actual cash value of the property, plus the cost of reasonable and necessary expenses, including without limitation, business interruption, loss of use, or loss of profit, incurred by the insured, as a result of the occurrence or any other cause of loss or damage to the property or business operations of the insured, which shall be limited to the actual cash value of the property or business operations at the time of the occurrence or any other cause of loss or damage to the property or business operations of the insured.

Terms and Conditions: Request will be stopped at 4:00pm from 7am to 4:00pm on the day of the test. All tests are performed on the day of the test. All tests are performed on the day of the test. All tests are performed on the day of the test.

Sampler Requisitioned: _____ Date: _____ Received By: (Lab Staff) _____

Relinquished By: William Dowd Date: 1/23/01 Time: 3:00

Delivered By: (Circle One) UPS - Bus - Other _____

Sample Condition: Yes No

Checked By: _____

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

REMARKS: _____

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

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

MAR 08 2001

Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Dowell Schlumberger
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. 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:

03-004

Truck wash bay generated by washing of trucks and oilfield equipment.

Enclosed is a certificate of waste status, analytical and chain of custody to extend this process for approximately 300 bbls. for the year 2001

Estimated Volume appx. 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen 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)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Monty J. Kelly TITLE: Environmental Geologist DATE: 3-8-01

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 _____

NMOC D 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 261.3.

AGENT *Darwin Thompson*
SIGNATURE

NAME Darwin Thompson
PRINTED

ADDRESS P.O. Box 640

Hobbs, NM 88240

DATE _____



**ARDINAL
LABORATORIES**

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) 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	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se 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
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
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, 600/4-78-020	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2
*Liquid (oil)	**Sludge	***Solid						

Gayle A. Polter
Gayle A. Polter, Chemist

11/01/2000
Date

H5283M.XLS

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analytical services. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruption, 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 theories or otherwise.



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) 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

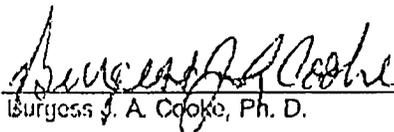
Analysis Date: 10/26/00
 Sampling Date: 10/25/00
 Sample Type: SLUDGE
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5283-2	Method Blank	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 Ketone	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
Benzene	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

Dibromofluoromethane	85
Toluene-d8	93
Bromofluorobenzene	93

METHODS: EPA SW 846-8260, 1311


 Burgess J. A. Cooke, Ph. D.

10/30/00
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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 causes of damages.



**ARDINAL
LABORATORIES**

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) 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 SEMI-VOLATILES (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
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	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.

Burgess J. Cooke
Burgess J. Cooke, Ph. D.

10/30/00
Date

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

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Form C-138
Revised March 17, 1995

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

MAR 08 2001

Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Conoco, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. <u>Circle One</u> : 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:

03-005

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 Volume appx. 100 yds. monthly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen 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)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: Monty J. Kelly TITLE: Environment Budget DATE: 3-8-01

FEB-28-01 WED 10:55

02/27/01 15:27

FEB-27-01 TUE 10:12

3053933615

3053933615

CRJ

CRJ

P. 02

002

P. 03

003

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

COMPANY / GENERATOR: Comoco

ADDRESS 10 Desta Drive West, Midland, TX 79705

GENERATING SITE Warren #1

COUNTY Lea STATE NM

TYPE OF WASTE NON-hazardous big trash

ESTIMATED VOLUME 100 yards +/- monthly

GENERATING PROCESS generated through oilfield operations for 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 1978 Regulatory Determination. To my knowledge, this waste will be managed 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 261.3.

AGENT Cornelia Runnels
SIGNATURE

NAME Cornelia Runnels
PRINTED

ADDRESS PO Box 905
Hobbs, NM 88240

DATE 2/26/01

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 mud sacks - non hazardous
Household 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,

Carmela Kuhl

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, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator ESP, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. <u>Circle One</u> : 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:

03-006

Filter sand from wash out submergable pumps.

Enclosed is a certificate of waste status, copy of previous C-138, copy of previous analytical and process of knowledge letter. The process has not changed.

Estimated Volume 24 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-2-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY [Signature] TITLE Bureau Chief DATE 3/19/01
APPROVED BY _____ TITLE _____ DATE _____

03/07/01 16:45

5053933615

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.

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING 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 261.3.

AGENT Roy Green
SIGNATURE

NAME Roy Green
PRINTED

ADDRESS 17 Levin Road

Midland, TX 79703

DATE 3-9-01

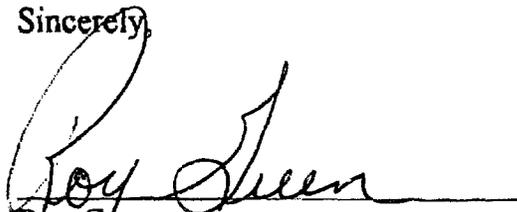
ESP, Inc.
17 Levin Rd.
Midland, TX 79703
(915) 697-4540

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,



Roy Green

District I - (505) 393-6161
 P. 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

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 District C

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator ESP, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. 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:

08-009

Filter sand from wash out submergable pumps.

This material has been approved before (2-18-00). I am enclosing the Certificate of Waste Status and copy of previous C-138. Full packet Submitted on 02-07-00.

Estimated Volume 24 Yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 08-22-00
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: Dana Williams TITLE: Environ. Engineer Specialist DATE: 8-25-00



TRACEANALYSIS, INC.

6701 Abardon Avenue, Suite 9 Lubbock, Texas 79424 800-378-1206 806-794-1206 FAX: 806-794-1298
 4725 Ripley Avenue, Suite A El Paso, Texas 79977 1409-500-3441 915-505-3441 FAX 915-505-4944
 E Mail: lab@traceanalysis.com

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: Drum Soil & Blast Sand
 Project Location: 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	Date Taken	Time 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 Leftwich, Director

Report Date: 2/3/00
 1415

Order ID Number: A00011907
 Drum Soil & Blast Sand

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 N/A

Analytical Results Report

Sample Number: 138938
 Description: Spill Soil Comp #1

Param	Result	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Corrosivity									
Corrosivity	Non-Corrosive	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
pH	7.70	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
Ignitability									
Ignitability	non-ignitable	1	W-846 Ch. 7	1/20/00	1/20/00	JM	PH00376	QC00507	
Reactivity									
Hydrogen Cyanide	<2.5	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
Hydrogen Sulfide	<10	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
Reactivity	Non-reactive	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
TCLP (mg/l)									
TCLP Mercury	<0.010	1	S 7470A	1/19/00	1/20/00	BP	PB00373	QC00490	0.01
TCLP Metals (mg/L)									
TCLP Arsenic	0.16	1	S 6010B	1/19/00	1/25/00	RR	PH00534	QC00684	0.1
TCLP Barium	0.56	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Cadmium	0.07	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.02
TCLP Chromium	0.09	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Lead	0.14	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Selenium	<0.10	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Silver	<0.05	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Semivolatiles (mg/L)									
Pyridine	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
1,4-Dichlorobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
o-Cresol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
m,p-Cresol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachloromethane	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Nitrobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorobutadiene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,6-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
2,4,5-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
2,4-Dinitrotoluene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
2,4-D	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,5-TP	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Pentachlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Surrogate (mg/L)									
	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
2-Fluorophenol	32.75	1	50	41	16 - 65	MA	PB00551	QC00702	
Phenol d5	20.67	1	50	26	8 - 48	MA	PH00551	QC00702	
Nitrobenzene-d5	56.45	1	50	71	28 - 118	MA	PB00551	QC00702	
2-Fluorobiphenyl	61.68	1	50	77	40 - 106	MA	PB00551	QC00702	
2,4,6-Tribromophenol	78.83	1	50	99	48 - 117	MA	PB00551	QC00702	
Terphenyl-d14	69.23	1	50	87	48 - 132	MA	PB00551	QC00702	
TCLP Volatiles (mg/L)									
Vinyl Chloride	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00555	QC00685	0.001

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1415		Drum Soil & Blast Sand			N/A				
1,1-Dichloroethene	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Methyl ethyl ketone	<0.5	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.01
Chloroform	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,2-Dichloroethane (DCE)	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Benzene	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Carbon Tetrachloride	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Trichloroethene (TCE)	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Tetrahydroethene (PCE)	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Chlorobenzene	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,4-Dichlorobenzene	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Surrogate (mg/l.)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
Dibromofluoromethane	46	1	50	92	80 - 120	JG	PB00535	QC00685	
Toluene-d8	48	1	50	96	80 - 120	JG	PB00535	QC00685	
4-Bromofluorobenzene	47.5	1	50	95	80 - 120	JG	PB00535	QC00685	
TPH DRO (mg/Kg)									
DRO	* 33100	1	Mod. #11511	1/21/00	1/21/00	ME	PB00362	QC00475	50
* DRO - Hydrocarbons >C28 present.									
TPH GRO (mg/Kg)									
GRO	27.3	1	8015B	1/19/00	1/19/00	RC	PB00341	QC00450	0.1

Sample Number: 138939
Description: Filter Sand Drum Sample #1

Param	Result	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RFL
Corrosivity									
Corrosivity	Non-Corrosive	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
pH	6.70	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
Ignitability									
Ignitability	non-ignitable	1	W-846 Ch. 7	1/20/00	1/20/00	JM	PB00376	QC00507	
Reactivity									
Hydrogen Cyanide	<2.5	1	S 7.1	1/20/00	1/20/00	JM	PB00374	QC00502	
Hydrogen Sulfide	<10	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
Reactivity	Non-reactive	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
TCLP Hg (mg/L)									
TCLP Mercury	<0.010	1	S 7470A	1/19/00	1/25/00	RP	PB00373	QC00490	0.01
TCLP Metals (mg/L)									
TCLP Arsenic	0.21	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Barium	0.37	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Cadmium	0.07	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.02
TCLP Chromium	0.10	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Lead	0.37	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Selenium	0.12	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Silver	<0.05	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Semivolatiles (mg/L)									
Pyridine	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
1,4-Dichlorobenzene	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
o-Cresol	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
m,p-Cresol	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorocyclopentadiene	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Nitrobenzene	<0.05	1	E 8270X	1/28/00	1/31/00	MA	PB00551	QC00702	0.25

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1415	Drum Soil & Blast Sand	N/A							
Hexachlorobutadiene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,6-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,5-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4-Dinitrotoluene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4-D	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,5-TP	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Pentachlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
S surrogate (mg/L)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
2-Fluorophenol	36.56	1	50	46	16 - 65	MA	PB00551	QC00702	
Phenol-d5	23.32	1	50	29	8 - 48	MA	PB00551	QC00702	
Nitrobenzene-d5	62.31	1	50	78	28 - 118	MA	PB00551	QC00702	
2-Fluorobiphenyl	62.41	1	50	78	40 - 106	MA	PB00551	QC00702	
2,4,6-Tribromophenol	77.36	1	50	97	48 - 117	MA	PB00551	QC00702	
Terphenyl-d14	74.43	1	50	93	48 - 132	MA	PB00551	QC00702	
TCLP Volatiles (mg/L)									
Vinyl Chloride	<0.05	50	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,1-Dichloroethene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Methyl ethyl ketone	<0.5	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.01
Chloroform	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,2-Dichloroethane (1:1X)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Benzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Carbon Tetrachloride	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Trichloroethene (TCE)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Tetrachloroethene (PCE)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Chlorobenzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,4-Dichlorobenzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
S surrogate (mg/L)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
Dibromofluoromethane	48	1	50	96	80 - 120	JG	PB00535	QC00685	
Toluene-d8	48.5	1	50	97	80 - 120	JG	PB00535	QC00685	
4-Bromofluorobenzene	49	1	50	98	80 - 120	JG	PB00535	QC00685	
TPH DRO (mg/Kg)									
DRO	< 31000	1	Mod. 8015B	1/21/00	1/21/00	MI	PB00362	QC00475	50
* DRO - Hydrocarbons >C28 present									
TPH GRC (mg/Kg)									
GRC	<5	1	8015B	1/19/00	1/19/00	RC	PB00341	QC00450	0.1

Sample Number: 138940
 Description: Blast Sand Sample #1

Param	Result	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Corrosivity									
Corrosivity	Non-Corrosive	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
pH	7.09	1	S 1110	1/20/00	1/20/00	JM	PB00375	QC00504	
Ignitability									
Ignitability	non-ignitable	1	W-846 Ch. 7	1/20/00	1/20/00	JM	PB00376	QC00507	
Reactivity									
Reactivity	Non-reactive	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	
Hydrogen Cyanide	<2.5	1	S 7.3	1/20/00	1/20/00	JM	PB00374	QC00502	

Report Date: 2/3/00	Order ID Number: A00011907						Page Number: 5 of 15		
1415	Drum Soil & Blast Sand						N/A		
Hydrogen Sulfide	<10	1	S 73	1/20/00	1/20/00	JM	PH00174	QC00502	
TCLP Hg (mg/L)									
TCLP Mercury	<0.010	1	S 7470A	1/19/00	1/20/00	RP	PB00373	QC00490	0.01
TCLP Metals (mg/L)									
TCLP Arsenic	<0.10	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Barium	0.39	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Cadmium	0.06	1	S 6010B	1/19/00	1/25/00	RR	PH00534	QC00684	0.02
TCLP Chromium	0.13	1	S 6010B	1/19/00	1/25/00	RR	PH00534	QC00684	0.03
TCLP Lead	0.14	1	S 6010B	1/19/00	1/25/00	RR	PH00534	QC00684	0.1
TCLP Selenium	<0.10	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.1
TCLP Silver	<0.05	1	S 6010B	1/19/00	1/25/00	RR	PB00534	QC00684	0.05
TCLP Semivolatiles (mg/L)									
Pyridine	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
1,4-Dichlorobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
o-Cresol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
m,p-Cresol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
Hexachloroethane	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Nitrobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorobutadiene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,6-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4,5-Trichlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4-Dinitrotoluene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
2,4-D	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PB00551	QC00702	0.25
Hexachlorobenzene	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
2,4,5-TP	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
Pentachlorophenol	<0.05	1	E 8270C	1/28/00	1/31/00	MA	PH00551	QC00702	0.25
Surrogate (mg/L)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
2-Fluorophenol	32.52	1	50	41	16 - 65	MA	PB00551	QC00702	
Phenol-d5	23.52	1	50	29	8 - 48	MA	PB00551	QC00702	
Nitrobenzene-d5	54.64	1	50	68	28 - 118	MA	PH00551	QC00702	
2-Fluorobiphenyl	61.74	1	50	77	40 - 106	MA	PB00551	QC00702	
2,4,6-Tribromophenol	72.07	1	50	90	48 - 117	MA	PH00551	QC00702	
Terphenyl-d14	68.10	1	50	85	48 - 132	MA	PB00551	QC00702	
TCLP Volatiles (mg/L)									
Vinyl Chloride	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
1,1-Dichloroethene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
Methyl ethyl ketone	<0.5	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.01
Chloroform	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
1,2-Dichloroethane (EDC)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Benzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Carbon Tetrachloride	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PB00535	QC00685	0.001
Trichloroethene (TCE)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
Tetrachloroethene (PCE)	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
Chlorobenzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
1,4-Dichlorobenzene	<0.05	1	S 8260B	1/26/00	1/27/00	JG	PH00535	QC00685	0.001
Surrogate (mg/L)	Result	Dilution	Spike Amount	% Rec.	% Rec. Limit	Analyst	Prep Batch #	QC Batch #	
Dibromofluoroethane	46.5	1	50	93	80 - 120	JG	PH00535	QC00685	
Toluene-d8	48	1	50	96	80 - 120	JG	PB00535	QC00685	
4-Fluorofluorobenzene	47	1	50	94	80 - 120	JG	PB00535	QC00685	

Sent By: TRACEANALYSIS;

7941298;

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N/A

TPH (DRO) (mg/Kg)

DRO

2010

1

Mod. 8013B

1/21/00

1/20/00

MF

PB00350

QC00471

50

* DRO - Hydrocarbons >C12K present

TPH (GRO) (mg/Kg)

GRO

427

1

8015B

1/19/00

1/19/00

RC

PR00341

QC00450

0.1

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 N/A

**Quality Control Report
 Method Blanks**

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
TCLP Mercury (mg/L)		<0.010	0.01	1/20/00	PB00373	QC00490

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	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	QC00684
TCLP Cadmium (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)		<0.10	0.1	1/25/00	PB00534	QC00684
TCLP Selenium (mg/L)		<0.10	0.1	1/25/00	PB00534	QC00684
TCLP Silver (mg/L)		<0.05	0.05	1/25/00	PB00534	QC00684

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
Pyridine (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
1,4-Dichlorobenzene (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
m-Cresol (mg/L)		<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	1/31/00	PB00551	QC00702
Nitrobenzene (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
Hexachlorobutadiene (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	QC00702
2,4,5-Trichlorophenol (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
2,4-Dinitrotoluene (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
2,4-D (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
Hexachlorobenzene (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
2,4,5-TP (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702
Pentachlorophenol (mg/L)		<0.05	0.25	1/31/00	PB00551	QC00702

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
Vinyl Chloride (mg/L)		96	0.001	1/27/00	PB00535	QC00685
1,1-Dichloroethene (mg/L)		95	0.001	1/27/00	PB00535	QC00685
Methyl ethyl ketone (mg/L)		108	0.01	1/27/00	PB00535	QC00685
Chloroform (mg/L)		98	0.001	1/27/00	PB00535	QC00685
1,2-Dichloroethane (EDC) (mg/L)		100	0.001	1/27/00	PB00535	QC00685
Benzene (mg/L)		97	0.001	1/27/00	PB00535	QC00685
Carbon Tetrachloride (mg/L)		103	0.001	1/27/00	PB00535	QC00685
Trichloroethene (TCE) (mg/L)		102	0.001	1/27/00	PB00535	QC00685
Tetrachloroethene (PCE) (mg/L)		101	0.001	1/27/00	PB00535	QC00685
Chlorobenzene (mg/L)		96	0.001	1/27/00	PB00535	QC00685
1,4-Dichlorobenzene (mg/L)		101	0.001	1/27/00	PB00535	QC00685

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Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
DRO (mg/Kg)		<50	50	1/20/00	PR00350	QC00471
DRO (mg/Kg)		<50	50	1/21/00	PR00362	QC00475

Param	Flag	Blank Result	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
CrO (mg/Kg)		<5	0.1	1/19/00	PR00341	QC00450

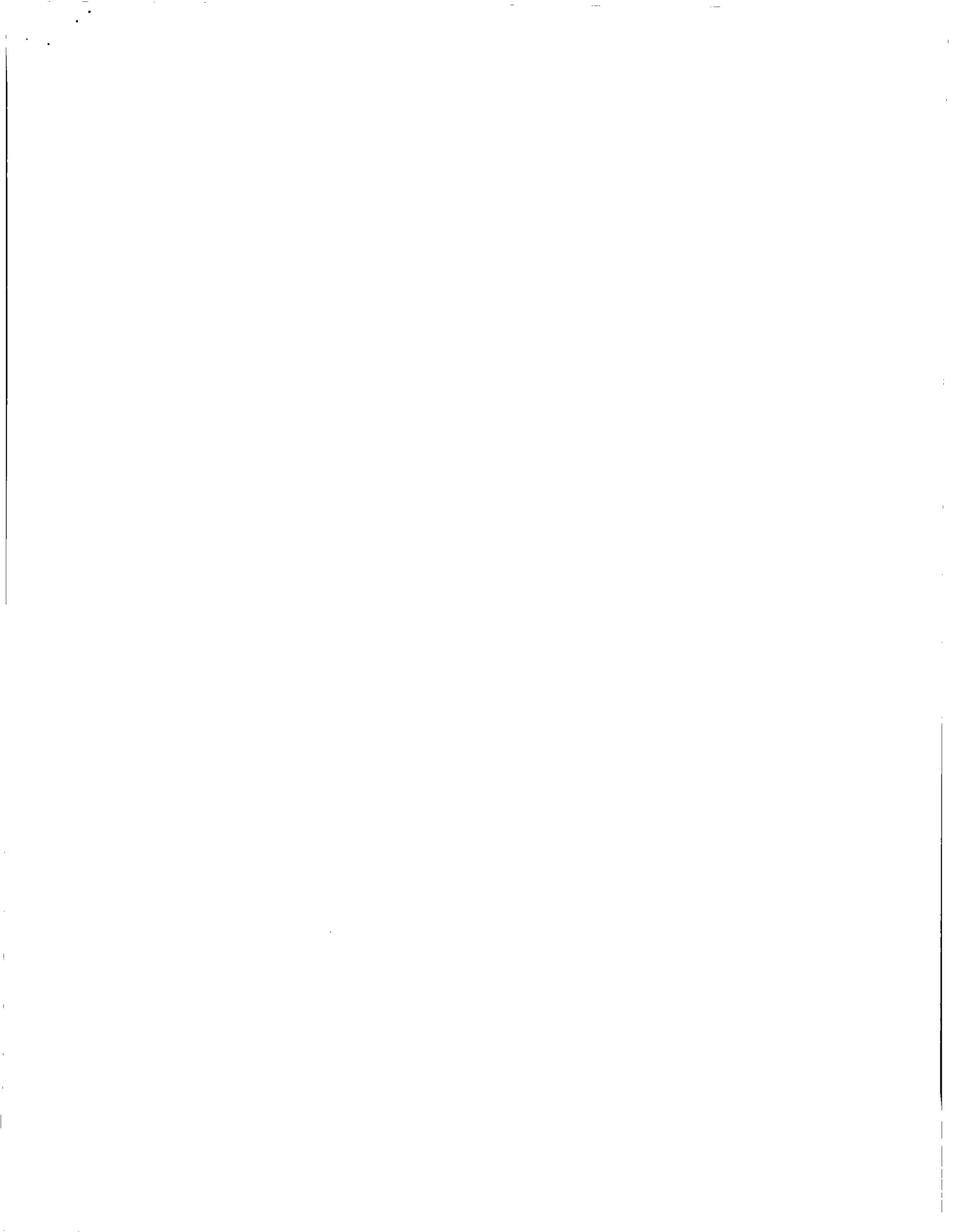
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 1415 Drum Soil & Blast Sand N/A

**Quality Control Report
 Matrix Spike and Matrix Duplicate Spike**

Standard	Param	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	TCLP Mercury (mg/L)	<0.010	1	0.005	0.0419	838	6	80 - 120	0 - 20	QC00490
MSD	TCLP Mercury (mg/L)	<0.010	1	0.005	0.0444	888	6	80 - 120	0 - 20	QC00490

Standard	Param	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	TCLP Arsenic (mg/L)	0.16	1	10	10.5	103	2	75 - 125	0 - 20	QC00684
MS	TCLP Barium (mg/L)	0.56	1	10	10.9	101	1	75 - 125	0 - 20	QC00684
MS	TCLP Cadmium (mg/L)	0.07	1	10	10.1	100	2	75 - 125	0 - 20	QC00684
MS	TCLP Chromium (mg/L)	0.09	1	10	9.9	98	3	75 - 125	0 - 20	QC00684
MS	TCLP Lead (mg/L)	0.14	1	10	10.3	102	2	75 - 125	0 - 20	QC00684
MS	TCLP Selenium (mg/L)	<0.10	1	10	10.3	102	4	75 - 125	0 - 20	QC00684
MS	TCLP Silver (mg/L)	<0.05	1	2	1.98	99	4	75 - 125	0 - 20	QC00684
MSD	TCLP Arsenic (mg/L)	0.16	1	10	10.7	105	2	75 - 125	0 - 20	QC00684
MSD	TCLP Barium (mg/L)	0.56	1	10	11.0	104	1	75 - 125	0 - 20	QC00684
MSD	TCLP Cadmium (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	1	10	10.5	104	2	75 - 125	0 - 20	QC00684
MSD	TCLP Selenium (mg/L)	<0.10	1	10	10.7	106	4	75 - 125	0 - 20	QC00684
MSD	TCLP Silver (mg/L)	<0.05	1	2	2.06	103	4	75 - 125	0 - 20	QC00684

Standard	Param	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	Vinyl Chloride (mg/L)	<0.05	1	100	98	98	6	80 - 120	0 - 20	QC00685
MS	1,1-Dichloroethene (mg/L)	<0.05	1	100	130	130	6	80 - 120	0 - 20	QC00685
MS	Methyl ethyl ketone (mg/L)	<0.5	1	100	143	143	6	80 - 120	0 - 20	QC00685
MS	Chloroform (mg/L)	<0.05	1	100	110	110	6	80 - 120	0 - 20	QC00685
MS	1,2-Dichloroethane (EDC) (mg/L)	<0.05	1	100	114	114	6	80 - 120	0 - 20	QC00685
MS	Benzene (mg/L)	<0.05	1	100	120	120	6	80 - 120	0 - 20	QC00685
MS	Carbon Tetrachloride (mg/L)	<0.05	1	100	120	120	6	80 - 120	0 - 20	QC00685
MS	Trichloroethene (TCE) (mg/L)	<0.05	1	100	108	108	6	80 - 120	0 - 20	QC00685
MS	Tetrachloroethene (PCE) (mg/L)	<0.05	1	100	110	110	6	80 - 120	0 - 20	QC00685
MS	Chlorobenzene (mg/L)	<0.05	1	100	98	98	6	80 - 120	0 - 20	QC00685
MS	1,4-Dichlorobenzene (mg/L)	<0.05	1	100	106	106	6	80 - 120	0 - 20	QC00685
Standard	Surrogate	Result	Dil.	Spike Amount	Analyst	% Rec.	RPD	% Rec. Limit	Prep Batch #	QC Batch #
MS	Dibromofluorobenzene (mg/Kg)	47	1	50	JG	94	6	80 - 120	PH00535	QC00685
MS	Toluene-d8 (mg/Kg)	49	1	50	JG	98	6	80 - 120	PB00535	QC00685
MS	4-Bromofluorobenzene (mg/Kg)	50	1	50	JG	100	6	80 - 120	PB00535	QC00685



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J415		Drum Soil & Blast Sand							N/A	
MSD	Vinyl Chloride (mg/L)	<0.05	1	100	96	96	2	80 - 120	0 - 20	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	100	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	1	100	119	119	1	80 - 120	0 - 20	QC00685
MSD	Carbon Tetrachloride (mg/L)	<0.05	1	100	122	122	2	80 - 120	0 - 20	QC00685
MSD	Trichloroethene (TCE) (mg/L)	<0.05	1	100	111	111	3	80 - 120	0 - 20	QC00685
MSD	Tetrachloroethene (PCE) (mg/L)	<0.05	1	100	113	113	3	80 - 120	0 - 20	QC00685
MSD	Chlorobenzene (mg/L)	<0.05	1	100	101	101	3	80 - 120	0 - 20	QC00685
MSD	1,4-Dichlorobenzene (mg/L)	<0.05	1	100	108	108	2	80 - 120	0 - 20	QC00685
Standard	Surrogate	Result	Dil.	Spike Amount	Analyst	% Rec	% Rec. Limit	Prep Batch #	(N)	Batch #
MSD	Dibromofluoromethane (mg/Kg)	47	1	50	JG	94	80 - 120	PB00535	QC00685	
MSD	Toluene-d8 (mg/Kg)	48.5	1	50	JG	97	80 - 120	PB00535	QC00685	
MSD	4-Bromofluorobenzene (mg/Kg)	49	1	50	JG	98	80 - 120	PB00535	QC00685	

Quality Control Report Duplicates

Standard	Param	Flag	Duplicate Result	Sample Result	Dilution	RPD	RPD Limit	QC Batch #
Duplicate	Corrosivity		Non-Corrosive	Non-Corrosive	1	0	0 - 20	QC00504
Duplicate	pH (s.u.)		7.73	7.70	1	0	0 - 20	QC00504

Standard	Param	Flag	Duplicate Result	Sample Result	Dilution	RPD	RPD Limit	QC Batch #
Duplicate	Ignitability		Non-ignitable	non-ignitable	1	0	0 - 20	QC00507

Standard	Param	Flag	Duplicate Result	Sample Result	Dilution	RPD	RPD Limit	QC Batch #
Duplicate	Reactivity		Non-Reactive	Non-reactive	1	0	0 - 20	QC00502
Duplicate	Hydrogen Sulfide		<10	<10	1	0	0 - 20	QC00502
Duplicate	Hydrogen Cyanide		<2.5	<2.5	1	0	0 - 20	QC00502

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**Quality Control Report
 Lab Control Spikes and Duplicate Spike**

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS TCLP Mercury (mg/L)	<0.010	1	0.005	0.0423	846		80 - 120	0 - 20	QC00490
LCSD TCLP 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.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS TCLP Arsenic (mg/L)	<0.10	1	10	10.4	104		75 - 125	0 - 20	QC00684
LCS TCLP Barium (mg/L)	<0.10	1	10	10.6	106		75 - 125	0 - 20	QC00684
LCS TCLP Cadmium (mg/L)	<0.02	1	10	10.4	104		75 - 125	0 - 20	QC00684
LCS TCLP Chromium (mg/L)	<0.05	1	10	10.3	103		75 - 125	0 - 20	QC00684
LCS TCLP Lead (mg/L)	<0.10	1	10	10.8	108		75 - 125	0 - 20	QC00684
LCS TCLP Selenium (mg/L)	<0.10	1	10	10.7	107		75 - 125	0 - 20	QC00684
LCS TCLP Silver (mg/L)	<0.05	1	2	2.0	100		75 - 125	0 - 20	QC00684
LCSD TCLP Arsenic (mg/L)	<0.10	1	10	10.5	105	1	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	10	10.4	104	0	75 - 125	0 - 20	QC00684
LCSD TCLP Chromium (mg/L)	<0.05	1	10	10.3	103	0	75 - 125	0 - 20	QC00684
LCSD TCLP Lead (mg/L)	<0.10	1	10	10.5	105	3	75 - 125	0 - 20	QC00684
LCSD TCLP Selenium (mg/L)	<0.10	1	10	10.5	105	2	75 - 125	0 - 20	QC00684
LCSD TCLP Silver (mg/L)	<0.05	1	2	2.0	100	0	75 - 125	0 - 20	QC00684

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS Pyridine (mg/L)	<0.05	1	80	35.48	44		0 - 103	0 - 20	QC00702
LCS 1,4-Dichlorobenzene (mg/L)	<0.05	1	80	51.17	64		33 - 84	0 - 20	QC00702
LCS o-Cresol (mg/L)	<0.05	1	80	52.50	66		34 - 93	0 - 20	QC00702
LCS m,p-Cresol (mg/L)	<0.05	1	160	94.42	59		0 - 128	0 - 20	QC00702
LCS Hexachloroethane (mg/L)	<0.05	1	80	47.27	59		28 - 87	0 - 20	QC00702
LCS Nitrobenzene (mg/L)	<0.05	1	80	72.13	90		40 - 98	0 - 20	QC00702
LCS Hexachlorobutadiene (mg/L)	<0.05	1	80	51.64	65		30 - 91	0 - 20	QC00702
LCS 2,4,6-Trichlorophenol (mg/L)	<0.05	1	80	72.00	90		43 - 109	0 - 20	QC00702
LCS 2,4,5-Trichlorophenol (mg/L)	<0.05	1	80	70.75	88		47 - 106	0 - 20	QC00702
LCS 2,4-Dinitrotoluene (mg/L)	<0.05	1	80	77.18	96		52 - 101	0 - 20	QC00702
LCS 2,4-D (mg/L)	<0.05	1	80	55.84	70		0 - 139	0 - 20	QC00702
LCS Hexachlorobenzene (mg/L)	<0.05	1	80	82.41	103		43 - 117	0 - 20	QC00702
LCS 2,3,5-TP (mg/L)	<0.05	1	80	57.25	72		0 - 138	0 - 20	QC00702
LCS Pentachlorophenol (mg/L)	<0.05	1	80	53.55	67		27 - 107	0 - 20	QC00702

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Standard	Surrogate	Dil.	Spike Amount	Result	% Rec	% Rec. Limit	QC Batch #
LCS	2-Fluorophenol (mg/Kg)	1	80	39.20	49	16 - 65	QC00702
LCS	Phenol-d5 (mg/Kg)	1	80	23.48	29	8 - 48	QC00702
LCS	Nitrobenzene-d5 (mg/Kg)	1	80	62.07	78	28 - 118	QC00702
LCS	2-Fluorobiphenyl (mg/Kg)	1	80	66.18	83	40 - 106	QC00702
LCS	2,4,6-Tribromophenol (mg/Kg)	1	80	65.38	82	48 - 117	QC00702
LCS	Terphenyl-d14 (mg/Kg)	1	80	77.66	97	48 - 132	QC00702

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec	% Rec. RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS Vinyl Chloride (mg/L)	96	1	100	97	97	1	80 - 120	0 - 20	QC00685
LCS 1,1-Dichloroethene (mg/L)	95	1	100	134	134	1	80 - 120	0 - 20	QC00685
LCS Methyl ethyl ketone (mg/L)	108	1	100	114	114	1	80 - 120	0 - 20	QC00685
LCS Chloroform (mg/L)	98	1	100	115	115	1	80 - 120	0 - 20	QC00685
LCS 1,2-Dichloroethane (EDC) (mg/L)	100	1	100	113	113	1	80 - 120	0 - 20	QC00685
LCS Benzene (mg/L)	97	1	100	118	118	1	80 - 120	0 - 20	QC00685
LCS Carbon Tetrachloride (mg/L)	103	1	100	122	122	1	80 - 120	0 - 20	QC00685
LCS Trichloroethene (TCE) (mg/L)	102	1	100	111	111	1	80 - 120	0 - 20	QC00685
LCS Tetrachloroethene (PCE) (mg/L)	101	1	100	111	111	1	80 - 120	0 - 20	QC00685
LCS Chlorobenzene (mg/L)	96	1	100	100	100	1	80 - 120	0 - 20	QC00685
LCS 1,4-Dichlorobenzene (mg/L)	101	1	100	109	109	1	80 - 120	0 - 20	QC00685

Standard	Surrogate	Dil.	Spike Amount	Result	% Rec.	% Rec. Limit	QC Batch #
LCS	Dibromofluoromethane (mg/Kg)	1	50	48.5	97	80 - 120	QC00685
LCS	Toluene-d8 (mg/Kg)	1	50	49	98	80 - 120	QC00685
LCS	4-Bromofluorobenzene (mg/Kg)	1	50	49.5	99	80 - 120	QC00685

LCSD	Vinyl Chloride (mg/L)	96	1	100	98	98	1	80 - 120	0 - 20	QC00685
LCSD	1,1-Dichloroethene (mg/L)	95	1	100	135	135	1	80 - 120	0 - 20	QC00685
LCSD	Methyl ethyl ketone (mg/L)	108	1	100	122	122	7	80 - 120	0 - 20	QC00685
LCSD	1,2-Dichloroethane (EDC) (mg/L)	100	1	100	121	121	3	80 - 120	0 - 20	QC00685
LCSD	Benzene (mg/L)	97	1	100	111	111	6	80 - 120	0 - 20	QC00685
LCSD	Carbon Tetrachloride (mg/L)	103	1	100	121	121	1	80 - 120	0 - 20	QC00685
LCSD	Trichloroethene (TCE) (mg/L)	102	1	100	109	109	2	80 - 120	0 - 20	QC00685
LCSD	Tetrachloroethene (PCE) (mg/L)	101	1	100	110	110	1	80 - 120	0 - 20	QC00685
LCSD	Chlorobenzene (mg/L)	96	1	100	101	101	1	80 - 120	0 - 20	QC00685
LCSD	1,4-Dichlorobenzene (mg/L)	101	1	100	108	108	1	80 - 120	0 - 20	QC00685

Standard	Surrogate	Dil.	Spike Amount	Result	% Rec	% Rec. Limit	QC Batch #
LCSD	Dibromofluoromethane (mg/Kg)	1	50	50	100	80 - 120	QC00685
LCSD	Toluene-d8 (mg/Kg)	1	50	49	98	80 - 120	QC00685
LCSD	4-Bromofluorobenzene (mg/Kg)	1	50	49.5	99	80 - 120	QC00685

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec	% Rec. RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS DRO (mg/Kg)	<50	1	250	276	110	1	70 - 130	0 - 20	QC00471

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 LCSU DRO (mg/Kg) <50 1 250 251 100 9 70-130 0-20 QC00471

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS DRO (mg/Kg)	<50	1	250	192	77		70-130	0-20	QC00475
LCSU DRO (mg/Kg)	<50	1	250	189	76	2	70-130	0-20	QC00475

Param	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS GRO (mg/Kg)	<5	1	1	0.997	100		80-120	0-20	QC00450
LCSU GRO (mg/Kg)	<5	1	1	0.978	98	2	80-120	0-20	QC00450

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Quality Control Report Continuing Calibration Verification Standard

Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
CCV 1	TCLP Mercury (mg/L)		0.005	0.00516	103	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 (mg/L)		1	1.03	103	75 - 125	1/25/00	QC00684
ICV	TCLP Barium (mg/L)		1	1.04	104	75 - 125	1/25/00	QC00684
ICV	TCLP Cadmium (mg/L)		1	1.02	102	75 - 125	1/25/00	QC00684
ICV	TCLP Chromium (mg/L)		1	1.02	102	75 - 125	1/25/00	QC00684
ICV	TCLP Lead (mg/L)		1	1.03	103	75 - 125	1/25/00	QC00684
ICV	TCLP Selenium (mg/L)		1	1.01	101	75 - 125	1/25/00	QC00684
ICV	TCLP Silver (mg/L)		0.2	0.208	104	75 - 125	1/25/00	QC00684
CCV 1	TCLP Arsenic (mg/L)		1	1.04	104	75 - 125	1/25/00	QC00684
CCV 1	TCLP Barium (mg/L)		1	1.05	105	75 - 125	1/25/00	QC00684
CCV 1	TCLP Cadmium (mg/L)		1	1.01	101	75 - 125	1/25/00	QC00684
CCV 1	TCLP Chromium (mg/L)		1	1.03	103	75 - 125	1/25/00	QC00684
CCV 1	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
CCV 1	TCLP Silver (mg/L)		0.2	0.204	102	75 - 125	1/25/00	QC00684

Standard	Param	Flag	CCVs TRUE Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
CCV 1	Pyridine (mg/L)		60	60.71	101	0 - 103	1/31/00	QC00702
CCV 1	1,4-Dichlorobenzene (mg/L)		60	58.77	98	33 - 84	1/31/00	QC00702
CCV 1	o-Cresol (mg/L)		60	58.32	97	34 - 93	1/31/00	QC00702
CCV 1	m,p-Cresol (mg/L)		60	57.76	96	0 - 128	1/31/00	QC00702
CCV 1	Hexachloroethane (mg/L)		60	56.21	94	28 - 87	1/31/00	QC00702
CCV 1	Nitrobenzene (mg/L)		60	59.01	98	40 - 98	1/31/00	QC00702
CCV 1	Hexachlorobutadiene (mg/L)		60	59.64	99	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 1	2,4,5-Trichlorophenol (mg/L)		60	63.11	105	47 - 106	1/31/00	QC00702
CCV 1	2,4-Dinitrotoluene (mg/L)		60	62.94	105	52 - 101	1/31/00	QC00702
CCV 1	2,4-D (mg/L)		60	62.02	103	0 - 139	1/31/00	QC00702
CCV 1	Hexachlorobenzene (mg/L)		60	60.69	101	43 - 117	1/31/00	QC00702
CCV 1	2,4,5-TP (mg/L)		60	65.65	109	0 - 138	1/31/00	QC00702
CCV 1	Pentachlorophenol (mg/L)		60	56.44	94	27 - 107	1/31/00	QC00702
CCV 1	2-Fluorophenol (mg/L)		60	64.94	108	16 - 65	1/31/00	QC00702
CCV 1	Phenol-d5 (mg/L)		60	61.89	103	8 - 48	1/31/00	QC00702
CCV 1	Nitrobenzene-d5 (mg/L)		60	59.00	98	28 - 118	1/31/00	QC00702
CCV 1	2-Fluorobiphenyl (mg/L)		60	58.73	98	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

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

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Mesquite Services, Inc 5. Originating Site P.O. Box 481 Carlsbad, NM 882
2. Management Facility Destination Controlled Recovery, Inc.	6. Transporter Mesquite Services, I
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 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 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-5-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/5/01
APPROVED BY: _____ TITLE: _____ DATE: _____

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

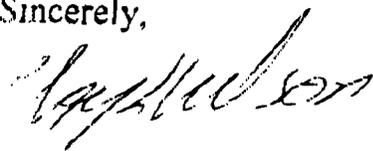
Mesquite Services, Inc. through CRI requests to dispose of oilfield related wastes at CRI's facility located in Lea County, N.M. for the year 2001.

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

State of New Mexico
Energy Minerals and Natural Resources

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Banta Oilfield Service, In
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 a certification of waste from the Generator, one certificate per job. <input checked="" type="radio"/> 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:

03-010

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-7-01
 Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/7/01

APPROVED BY: _____ TITLE: _____ DATE: _____

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 OILFIELD 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,

Vince Brown
Vice - President

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

COMPANY / GENERATOR BANTA OILFIELD SERVICE, INC.

ADDRESS 2807 W. MARLAND, HOBBS, NM 88240

GENERATING SITE VARIOUS SITES

LEA
COUNTY EDDY STATE NM

TYPE OF WASTE MUDS, CONCRETE SACKS, EMPTY BUCKETS, CANS, CRATES, BOARDS, WIRE, GLOVES, RAGS, TOWELS & OTHER NON-^{HAZARDOUS} MATERIALS

ESTIMATED VOLUME 10R TRAILERS PER MONTH (TRASH TRAILERS)

GENERATING PROCESS VARIOUS OILFIELD LOCATIONS

REMARKS _____

NMOCD FACILITY C.R.I.

TRUCKING COMPANY N/A - OUR OWN TRUCKS

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]

SIGNATURE

NAME VINCE BROWN

PRINTED

ADDRESS P.O. Box 1706

HOBBS, N.M. 88241

DATE 1-27-2001

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, 1995

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Phillips Petroleum
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site HC 60, Box 66 Lovington, NM
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Waste Management
7. Location of Material (Street Address or ULSTR) East Vacuum Grayburg San Andres Unit, Buckeye, NM	8. State New Mexico
9. <u>Circle One:</u> 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:

03-011

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-7-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/21/01
APPROVED BY: _____ TITLE: _____ DATE: _____

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

COMPANY / GENERATOR Phillips Petroleum Company
ADDRESS HC 60 Box 66 Lovington, N.M 88260
GENERATING SITE East Vacuum Grayburg San Andros Unit
COUNTY Lea STATE N.M.
TYPE OF WASTE Solid
ESTIMATED VOLUME 20 yd³ per month
GENERATING PROCESS Oil and Gas Production

REMARKS

NMOCD FACILITY CRI's Lea County facility
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 261.3.

AGENT H.O. Platt
SIGNATURE

NAME H. O. Platt

ADDRESS 4001 Penbrook
PRINTED

Odessa, 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 if you need additional information.

Yours truly,

A handwritten signature in black ink that reads "H.O. Platt".

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Brininstool Equipment Sales, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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	
<p>9. Circle One:</p> <p>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.</p> <p>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.</p> <p>All transporters must certify the wastes delivered are only those consigned for transport.</p>	

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-9-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/9/01

APPROVED BY: _____ TITLE: _____ DATE: _____



BRININSTOOL EQUIPMENT SALES

PO BOX 6182
506-B EAST CENTER AVENUE
CARLSBAD, NEW MEXICO, USA, 86221-5182
PHONE 800.559-4650 OR 505.887-3650
FAX: 505.887-3210
www.equipsales.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,

A handwritten signature in black ink, appearing to read "Joe Brininstool". The signature is written in a cursive, flowing style.

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, 1995

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Rio Tanks, Inc. Fas-Line Sales & Rentals
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 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:

03-013

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-9-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/21/01

APPROVED BY: _____ TITLE: _____ DATE: _____



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,

A handwritten signature, likely of the sender, written in black ink.

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, 1995

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Lone Star Distribution
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. 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 approved. All transporters must certify the wastes delivered are only those consigned for transport.	

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. monthly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-9-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: 3/9/01

APPROVED BY: _____ TITLE: _____ DATE: _____

Lone Star Distribution

4417 Lovington Hwy.
Hobbs, NM 88240
(505) 392-4932

March 9, 2001

To: NMOCD

RE: Wastes from oil and gas locations

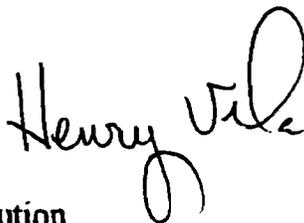
Lone Star Distribution through CRI requests to dispose of oilfield related wastes at CRI's facility located in Lea County, N.M. for the year 2001.

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
Lone Star Distribution

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

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MAR 21 2001
Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Dowell Schlumberger
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Hobbs Facility
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) Bulk Plant, 1105 W. Bender	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:

03-015

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 appx. 30 yds. weekly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-12-01
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: Monty J. Kelly TITLE: Environmental Geologist DATE: 3-23-01



March 10, 2001

To: NMOCD

RE: Wastes from oil and gas industry

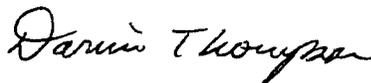
Schlumberger, through CRI, requests permission to dispose of oilfield related wastes at CRI's facility located in Lea County, NM for the year 2001.

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



Maintenance Supervisor

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

COMPANY / GENERATOR Dowell SchlumbergerADDRESS 1105 W. BenderGENERATING SITE Bulk Plant, Hobbs, NMCOUNTY Lea STATE NMTYPE OF WASTE empty paper sacks, wood, empty plastic bucketsESTIMATED VOLUME 30 yards per weekGENERATING PROCESS Blending bulk cement
and additives from various locations

REMARKS _____

NMOCD FACILITY CRI Inc.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 261.3.

AGENT Darwin Thompson
SIGNATURENAME Darwin Thompson
PRINTEDADDRESS 1105 W. BenderHobbs, NM.DATE 3-9-01

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

State of New Mexico
Energy Minerals and Natural Resources

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

RECEIVED
MAR 26 2001

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Forklift Enterprises
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. <u>Circle One</u> : 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:

03-017

Wash bay sludge generated by washing of oilfield trucks and equipment.

Enclosed is analytical data, chain of custody and certificate of waste status.

Estimated Volume 50 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-23-01
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: Antony J. Kelly TITLE: Environmental Geologist DATE: 3-27-01

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

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

ESTIMATED VOLUME 50 bbls

GENERATING PROCESS Oilfield Trucks & Equipment

REMARKS Mostly Caliche mud

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 261.3.

AGENT *Clayde Harrison*

SIGNATURE

NAME Clayde Harrison

PRINTED

ADDRESS P.O. Drawer 70

Hobbs, N.M. 88241-0070

DATE 3/22/01



**ARDINAL
LABORATORIES**

PHONE (915) 873-7001 • 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/BC

LAB NUMBER	SAMPLE ID	REACTIVITY			
		Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		01/29/01	01/29/01	01/26/01	01/30/01
H5554-1	WASHBAY SLUDGE	Not reactive	Not reactive	7.38	>140
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

Burjess A. Cook
Chemist

2/5/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 agents 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.

H5554-1



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LABORATORIES**

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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
Quality Control		241
True Value QC		240
% Recovery		100
Relative Percent Difference		3.9

METHOD: EPA 600/4-79-020 418.1

Bryant J. Cook
Chemist

1/29/01
Date

H5554T.XLS
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ARDINAL LABORATORIES

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: 02/01/01
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-Dichlorobenzene	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.

2/1/01
Date



ARDINAL LABORATORIES

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: 01/29/01
Project Number: NOT GIVEN
Project Name: WASHBAY SLUDGE
Project Location: 2908 W. MARLAND
Lab Number: H5554-1
Sample ID: WASHBAY SLUDGE

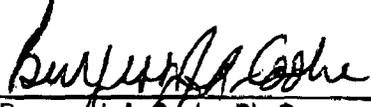
Analysis Date: 01/28/01
Extraction Date: 01/27/01
Sampling Date: 01/26/01
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5554-1	Method Blank	True Value		
				QC	% 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

% RECOVERY

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


Burgess J. A. Cooke, Ph. D.

1/29/01
Date

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

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MAR 26 2001

Form C-138
Revised March 17, 1995

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

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Weatherford ALS
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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) 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. <input checked="" type="radio"/> 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:

03-016

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. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-19-01
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: <u>Matthew J. [Signature]</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>3-27-01</u>

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, Hobbs, NM

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 James Sherlin
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 (816) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
 PHONE (805) 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: 02/06/01
 Project Number: NOT GIVEN
 Project Name: NOT GIVEN
 Project Location: NOT GIVEN
 Lab Number: H5671-1
 Sample ID: GUMP

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-Dichloroethylene	0.7	<0.005	<0.005	0.088	88	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.082	82	0.100
Chloroform	8.0	<0.005	<0.005	0.088	88	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.082	82	0.100
Benzene	0.5	<0.005	<0.005	0.090	90	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.083	83	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.090	90	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.085	85	0.100
Chlorobenzene	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

Dibromofluoromethane
Toluene-d8
Bromofluorobenzene

METHODS: EPA SW 846-8260, 1311

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

2/5/01
 Date

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PHONE (815) 873-7601 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 383-2326 • 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

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 Difference		1.8

METHOD: EPA 800/4-78-020 418.1

James Sherlin
 Chemist

2/2/01
 Date

H5571T.XLS
 PLEASE NOTE: Liability and Coverage. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. 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 completion of the applicable portion. 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 theories of coverage.



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PHONE (805) 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: H5571-1
Sample ID: SUMP

Analysis Date: 02/09/01
Sampling Date: 02/01/01
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5571-1	Method Blank	True Value		
				QC	% Recov.	QC
Pyridine	5.00	<0.020	<0.005	0.018	32	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.038	78	0.050
o-Cresol	200	<0.020	<0.005	0.038	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.037	74	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.038	78	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.040	80	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.035	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-Dinitrotoluene	0.130	<0.020	<0.005	0.043	88	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.037	74	0.050
Pentachlorophenol	100	<0.020	<0.005	0.041	82	0.050

% RECOVERY

Fluorophenol	79
Phenol-d5	54
Nitrobenzene-d5	97
2-Fluorobiphenyl	108
2,4,6-Tribromophenol	77
Terphenyl-d14	113

METHODS: EPA SW 846-8270, 1311, 3510


Burgess J. A. Cook, Ph. D.

2/20/01
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. As 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 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 arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated causes of contract.



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

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

LAB NUMBER	SAMPLE ID	IGNITABILITY (°F)
H5866-1	PIT	>140
Quality Control		NR
True Value QC		NR
% Accuracy		NR
Relative Percent Difference		NR

METHOD: SW 846-1010

Burgess J. Cohen
Chemist

3/8/01
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page _____ of _____

CARDINAL LABORATORIES, INC.
2111 Beechwood, Athens, TX 78603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: Wintershed ALS
Project Manager: James Sherwin
Address: 21021 W. Marland
City: Hobbs, NM Zip: 88240
Phone #: 393-3191 Fax #: 393-4892
Project #: _____
Project Name: _____
Project Location: _____
Sampler Name: Gayle Rader

Company: Wintershed
Attn: James
Address: P.O. Box 2606
City: Hobbs, NM
State: NM Zip: 88241
Phone #: 393-3191
Fax #: 393-4892

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	Matrix	PRESERV		DATE	TIME
			ACID/BASE	ICE / COOL		
H51066-1	PIT	GROUNDWATER			3/10/01	9:45
		GROUNDWATER				
		SLUDGE				
		CRUDE OIL				
		SOIL				
		WASTEWATER				
		# CONTAINERS				
		(G)RAB OR (C)OMP				
		OTHER:				
		OTHER:				

I got this from [unclear]

PLEASE NOTE: Cardinal's policy and chain of custody records for any data entry whether based in contract or not, will be limited to the amount paid by the client for the analysis. All other including those for reagents and any other means whatsoever shall be deemed void unless they are verified by Cardinal within 90 days after completion of the applicable service. In no event shall Cardinal be held liable for incidents or non-compliance charges, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services furnished by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished: Date: _____ Time: _____
Received By: _____
Relinquished By: _____ Date: 3/10/01 Time: 10:15
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____
Checked By: (Inkable) _____
Phone Result: Yes No **Add'l Phone #:** _____
Fax Result: Yes No **Add'l Fax #:** _____
REMARKS: _____

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



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

PHONE (505) 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: 02/08/01
 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 METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Sr ppm
---------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

ANALYSIS DATE:	02/05/01	02/06/01	02/06/01	02/06/01	02/06/01	02/06/01	02/06/01	02/06/01	02/05/01
EPA LIMITS:	5	5	100	1	5	5	0.2	1	
H5571-1 SUMP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1	
Quality Control	0.051	4.870	49.95	1.008	0.985	5.051	0.00587	0.187	
True Value QC	0.050	5.000	50.00	1.000	1.000	5.000	0.00600	0.200	
% Recovery	102	97.4	99.9	101	98.5	101	97.8	98.5	
Relative Standard Deviation	5.5	0.3	1.2	0.2	3.6	0.4	2.2	8.5	

METHODS: EPA 1311, 800/4-91A	206.2	272.1	208.1	213.1	218.1	238.1	245.1	270.2
------------------------------	-------	-------	-------	-------	-------	-------	-------	-------

Gayle A. Potter
 Gayle A. Potter, Chemist

02/12/2001
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. 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 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 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 measures of damages.

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
MAR 30 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1995
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Weatherford International
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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	
<p>9. Circle One:</p> <p>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.</p> <p><input checked="" type="radio"/> 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.</p> <p>All transporters must certify the wastes delivered are only those consigned for transport.</p>	

BRIEF DESCRIPTION OF MATERIAL:

03-008

Oilfield and plant waste generated through oilfield and plant operations.

Enclosed is letter, MSDS sheets and certificate of waste status to extend this process for the year 2001.

Estimated Volume 124 cubic yards yearly cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-28-01
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: Monty J. Kelly TITLE: Environmental Geologist DATE: 3-4-01



Weatherford

Drilling & Intervention Services

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 number (03-008)
that we needed MSDS
sheets which I am
enclosing. Thanks, Carmella*

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

COMPANY/GENERATOR Weatherford International

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 cans and buckets
(both metal and plastic), oil absorbent, dried spent paint filters.

ESTIMATED VOLUME 12 cubic yards per year.

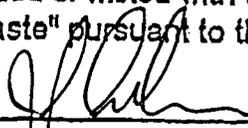
GENERATING PROCESS General clean up, maintenance, repair, replacement of
parts and fluids & painting of oilfield equipment.

REMARKS Waste is generally a mixture of non-biodegradable 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 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, Section 261.3.

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 waste status for the year 2001.

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

COMPANY/GENERATOR Weatherford International

ADDRESS #12 Byron Road, Midland, Texas 79706 (UBS)

GENERATING SITE #12 Byron Road, Midland, Texas 79706

COUNTY Midland **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.

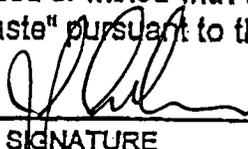
GENERATING PROCESS General clean up, maintenance, repair, replacement of
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REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics (cans, buckets)
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**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

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.

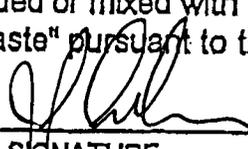
GENERATING PROCESS General clean up, maintenance, repair, replacement of
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**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

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.

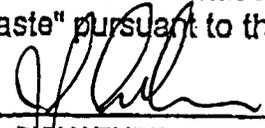
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**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

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)
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NMOCD FACILITY CONTROLLED RECOVERY INC.

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AGENT 
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NAME Tim Culver
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ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701

DATE 01-29-01

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

COMPANY/GENERATOR Weatherford International

ADDRESS 1848 Mercury Rd., Odessa, Texas 79763 (Well Installation Services)

GENERATING SITE 1848 Mercury Road., Odessa, Texas 79763

COUNTY Ector **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.

ESTIMATED VOLUME 12 cubic yards per year.

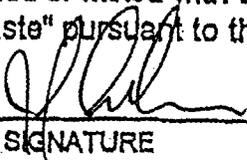
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Midland, Texas 79701

DATE 01-29-01

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

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 fluid cans and buckets
(both metal and plastic), oil absorbent, dried spent paint filters.

ESTIMATED VOLUME 12 cubic yards per year.

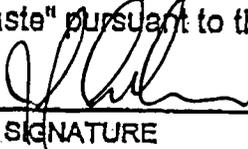
GENERATING PROCESS General clean up, maintenance, repair, replacement of
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AGENT 

SIGNATURE

NAME Tim Culver

PRINTED

ADDRESS 400 W. Illinois Ave., Ste 1500

Midland, Texas 79701

DATE 01-29-01

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

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 buckets
(both metal and plastic), oil absorbent, dried spent paint filters.

ESTIMATED VOLUME 12 cubic yards per year.

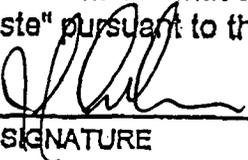
GENERATING PROCESS General clean up, maintenance, repair, replacement of
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REMARKS Waste is generally a mixture of non-biodegradeable metals, plastics, (cans, buckets)
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AGENT 
SIGNATURE

NAME Tim Culver
PRINTED

ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701

DATE 01-29-01

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

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 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.

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AGENT 
SIGNATURE

NAME Tim Culver
PRINTED

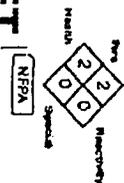
ADDRESS 400 W. Illinois Ave., Ste 1500
Midland, Texas 79701

DATE 01-29-01

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WD-40



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Manufacturer: **WD-40 Company**
 Address: **1061 Cudahy Place (92110)
 P.O. Box 80607
 San Diego, California
 92138-0607**

Telephone: **1 (800) 424-9300**
 Emergency Only: **(CHEMTREC)
 (619) 275-1400**

Chemical Name: **Organic Mixture**
 Trade Name: **WD-40 Aerosol**

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aromatic Petroleum Distillates	8052-41-3	50	100 ppm PEL
A-70 Hydrocarbon Propellant	88478-85-7	25	1000 ppm PEL
Petroleum Base Oil	84742-65-0	> 15	5 mg/m ³ TWA (mist)
Non-hazardous ingredients		< 10	

III. PHYSICAL DATA

Boiling Point: **NA**
 Vapor Density (air = 1): **Greater than 1**
 Solubility in Water: **Insoluble**
 Specific Gravity (H₂O = 1): **710 @ 70°F**
 Percent Volatile (volume): **80%**

Evaporation Rate: **Not determined**
 Vapor Pressure: **55-65 PSI @ 70°F**
 Appearance: **Light amber**
 Odor: **Characteristic odor**

IV. FIRE AND EXPLOSION

Flash Point: **NA to aerosol cans**
 Flammable Limits: **(propellant portion) 1.1ell 1.8% [UEL] 8.5%**
 Extinguishing Media: **CO₂, Dry Chemical, Foam**
 Special Fire Fighting Procedures: **None**
 Unusual Fire and Explosion Hazards: **EXTREMELY FLAMMABLE - U.F.C. level 3 aerosol**

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value
 Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLV (ACGIH 100 ppm.)

Symptoms of Overexposure
 Inhalation (Breathing): **May cause sneezing, headache, dizziness, nausea and upper respiratory irritation.**
 Skin Contact: **May cause drying of skin and/or irritation.**
 Eye Contact: **May cause irritation, tearing and redness.**
 Ingestion (Swallowing): **May cause irritation, nausea, vomiting and diarrhea.**

First Aid Emergency Procedures
 Ingestion (Swallowed): **Do not induce vomiting, seek medical attention.**
 Eye Contact: **Immediately flush eyes with large amounts of water for 15 minutes.**
 Skin Contact: **Wash with soap and water.**
 Inhalation (Breathing): **Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.**

! DANGER!
 Aspiration Hazard: **If swallowed can enter lungs and may cause chemical pneumonitis. Do not induce vomiting. Call Physician immediately.**

! Suspected Cancer Agent
 Yes No **The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.**

VI. REACTIVITY DATA

Stability: **Stable** **Unstable**
 Conditions to avoid: **NA**
 Incompatibility: **Strong oxidizing materials**
 Hazardous decomposition products: **Thermal decomposition may yield carbon monoxide and/or carbon dioxide.**
 Hazardous polymerization: **Will not occur**

VII. SPILL OR LEAK PROCEDURES

Spill Response Procedures
 Spill unlikely from aerosol cans. Leaking cans should be placed in plastic bag or open pail until pressure has dissipated.
Waste Disposal Method
 Empty aerosol cans should not be punctured or incinerated; bury in land fill. Liquid should be incinerated or buried in land fill. Dispose of in accordance with local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation: **Sufficient to keep solvent vapor less than TLV.**
 Respiratory Protection: **Advised when concentrations exceed TLV.**
 Protective Gloves: **Advised to prevent possible skin irritation.**
 Eye Protection: **Approved eye protection to safeguard against potential eye contact, irritation or injury.**
 Other Protective Equipment: **None required.**

IX. SPECIAL PRECAUTIONS

Keep from source of ignition. Avoid excessive inhalation of spray particles, do not take internally. Do not puncture, incinerate or store container above 120°F. Exposure to heat may cause bursting. Keep from children.

X. TRANSPORTATION DATA

Domestic Surface
 Description: **Consumer Commodity**
 Hazard Class: **ORM-D**
 ID No.: **NONE**
 Label Required: **Consumer Commodity (ORM-D)**

Domestic Air
 Description: **Consumer Commodity (Flammable Gas-Aerosol products)**
 Hazard Class: **ORM-D**
 ID No.: **NONE**
 Label Required: **Consumer Commodity (ORM-D/AIR)**

XI. REGULATORY INFORMATION

All ingredients for this product are listed on the TSCA Inventory.
 SARA Title III chemicals: **None**
 California Prop 65 chemicals: **None**
 CERCLA reportable quantity: **None**
 RCRA hazardous waste no.: **DOT (ignitable)**

SIGNATURE: R. Miles TITLE: Technical Director
 REVISION DATE: October 1993 SUPERSEDES: August 1992
 NA = Not applicable NDA = No data available < = Less than > = More than

We believe the statements, technical information and recommendations contained herein are reliable. However, the data is provided without warranty, expressed or implied. It is the user's responsibility to determine safe conditions for use of this product and assume any damage or expense, direct or consequential, arising from its use. Beware using product, read label.

MSCSA

16-1



WD-40

MATERIAL SAFETY DATA SHEET



I. PRODUCT IDENTIFICATION

Manufacturer: **WD-40 Company**
 Address: **1061 Cudahy Place (92110)
 P.O. Box 80607
 San Diego, California
 92138-0607**

Telephone: **1 (800) 424-9300**
 Emergency Only: **(CHEMTRC)
 (619) 275-1400**
 Chemical Name: **Organic Mixture**
 Trade Name: **WD-40 Bulk Liquid**

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Petroleum Distillates	8052-41-3	70	100 ppm PEL
Petroleum Base Oil	64742-65-0	> 20	5 mg/m ³ TWA (msl)
Non-hazardous Ingredients		< 10	

III. PHYSICAL DATA

Boiling Point:	300°F (minimum)	Evaporation Rate:	Not determined
Vapor Density (air = 1):	Greater than 1	Vapor Pressure:	Not determined
Solubility in Water:	Insoluble	Appearance:	Cloudy light amber
Specific Gravity (H ₂ O = 1):	800 @ 70°F	Odor:	Characteristic odor
Percent Volatile (Volume):	74%	VOC:	588 grams per liter

IV. FIRE AND EXPLOSION

Flash Point: **Tag Open Cup 110°F (minimum)**
 Flammable Limits: **(solvent portion) [Lel] 1.0% [Uel] 8.0%**
 Extinguishing Media: **CO₂, Dry Chemical, Foam**
 Special Fire Fighting Procedures: **None**
 Unusual Fire and Explosion Hazards: **None**

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value
 Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLV (ACGIH 100 ppm.)
 Symptoms of Overexposure
 Inhalation (Breathing): May cause anesthesia, headache, dizziness, nausea and upper respiratory irritation.
 Skin Contact: May cause drying of skin and or irritation.
 Eye Contact: May cause irritation, tearing and redness.
 Ingestion (Swallowed): May cause irritation, nausea, vomiting and diarrhea.
 First Aid Emergency Procedures
 Inhalation (Swallowed): Do not induce vomiting, seek medical attention.
 Eye Contact: Immediately flush eyes with large amounts of water for 15 minutes.
 Skin Contact: Wash with soap and water.
 Inhalation (Breathing): Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.
DAANGER!
 Aspiration Hazard: If swallowed can enter lungs and may cause chemical pneumonia. Do not induce vomiting. Call Physician immediately.
 Suspected Cancer Agent
 Yes No X
 The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.

VI. REACTIVITY DATA

Stability: Stable X Unstable

Conditions to avoid: **NA**
 Incompatibility: **Strong oxidizing materials**
 Hazardous decomposition products: **Thermal decomposition may yield carbon monoxide and/or carbon dioxide.**
 Hazardous polymerization: **May occur** Will not occur X

VII. SPILL OR LEAK PROCEDURES

Spill Response Procedures
 Absorb small quantities with sand, earth, sawdust. Large quantities pump into tank.
 Waste Disposal Method
 Incinerate liquid, bury saturated absorbent in land fill. Dispose of in accordance with local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to keep solvent vapor less than TLV.
 Respiratory Protection: Advised when concentrations exceed TLV.
 Protective Gloves: Advised to prevent possible skin irritation.
 Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury.
 Other Protective Equipment: None required.

IX. SPECIAL PRECAUTIONS

Keep from open flame, do not take internally. Avoid excessive inhalation of spray particles. Keep from children.

X. TRANSPORTATION DATA

Domestic Surface
 Description: **Petroleum Distillates N.O.S.**
 Hazard Class: **Combustible Liquid**
 ID No.: **UN 1268**
 Packaging Group: **III**
 Label Required: **NONE, for containers less than 100 Gallons**
 Domestic Air
 Description: **Petroleum Distillates N.O.S. (Stoddard Solvent)**
 Hazard Class: **3 UN 1268 PGII**
 Label Required: **Flammable Liquid**

XI. REGULATORY INFORMATION

All ingredients for this product are listed on the TSCA inventory.
 SARA Title (I) chemicals: **None**
 California Prop 65 chemicals: **None**
 CERCLA reportable quantity: **None**
 RCRA hazardous waste no.: **DDOT (ignitable)**

SIGNATURE: **R. Mills**

TITLE: **Technical Director**

REVISION DATE: **October 1992**

SUPERSEDES: **August 1992**

NA = Not applicable

NDA = No data available

< = Less than

> = More than

We believe the statements, technical information and recommendations contained herein are reliable. However, the data is provided without warranty, expressed or implied. It is the users responsibility to determine safe conditions for use of this product and assume the design or assembly of such or consequential, arising from its use. Before using product, read label.

MSDS-1

WD-40[®] Technical Data.

16-5

Physical Characteristics

APPEARANCE	Clear or slightly cloudy	PERCENT VOLATILE (MAXIMUM)	78% by weight aliphatic petroleum distillate
COLOR	Light amber	POUR POINT	Less than -100°F
ODOR	Very slight characteristic pleasant odor	LOW TEMPERATURE STABILITY	Excellent
SPECIFIC GRAVITY	.800 ± .020 at 72°F.	COVERAGE	600 to 1000 sq. ft. per gal.
VISCOSITY	27.5 ± 1.0 sec. Zahn # 1 at 72°F.	BOILING POINT (INITIAL)	300°F (minimum)
FLASH POINT (MINIMUM)	110°F. TOC	WEIGHT, applied coating	3.4 x 10 ⁻⁴ lbs./sq. ft.
PERCENT NON-VOLATILE (MINIMUM)	22% by weight	THICKNESS	.0001 to .0003 inch
		OPERATING TEMPERATURE	-50°F to 300°F

Properties

CORROSION PROTECTION:

(on freshly sanded mild steel panels)

EXPOSURE	RESULTS
Humidity (JAN-H-792)	No rust after 1000 hours
Salt Spray (FED STD 151)	No rust after 50 hours
Salt Spray (FED STD 151)	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
4. 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

BEARING 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 lubricated
3000 psi	0.138	with WD-40
4000 psi	0.145	

ELECTRICAL: Dielectric strength ASTM D-877 12,000 V. per 0.100 in.

Contact resistance ASTM B-182 modified

	BARE CONTACTS	WD-40 TREATED CONTACTS	CONTACT RESISTANCE OF FILM
before cycling	0.0066	0.0083 ohm	0.0017 ohm
after 5 cycles	0.0067	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	0.0083	0.0098 ohm	0.0016 ohm

Effect on Materials

GENERAL: Nearly all materials react to WD-40 as they would to high grade aliphatic petroleum spirits with the same exposure, i.e., spray, quick dip or prolonged immersion. WD-40 contains no silicone, teflon or chlorofluorocarbons.

RUBBER: No visible effects on surfaces of various types of rubber sprayed 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	Formica	Epoxy	Delrin
Polypropylene	Acrylic	Vinyl	
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, Trichloroethane (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 cans 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 "styrofoam 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 vomiting. Call physician immediately. Use in ventilated area. Keep from children.

WD-40 COMPANY, 1061 Cudahy Place, San Diego, California 92110
(619)276-1400 FAX (619)275-5823

0 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 noncontaminating tool joint compound resists washout and hardening or drying out in the connection. ELG236 Eco LubeGard Compound helps prevent galling, seizing, 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 Telephone Number: (713) 693-4000

ELG236
Eco LubeGard

Page: 1

PRODUCT NAME: ELG236 Lube Gard
CAS NUMBER: Not Applicable

Date prepared: 05-25-98

SECTION I. PRODUCT IDENTIFICATION

CHEMICAL FAMILY: Tool Joint and Drill Collar Compound

SECTION II. HAZARDOUS COMPONENTS

INGREDIENT	% (By Wt)	OSHA LIMIT	TLV
Graphite	10-18	Not Available	2.0mg/M ³

SECTION III. PHYSICAL DATA

BOILING POINT: Not Applicable
VAPOR PRESSURE: Not Applicable
VAPOR DENSITY (AIR=1): Not Applicable
SPECIFIC GRAVITY (WATER=1): 1.04
PERCENT VOLATILES: Not Applicable
EVAPORATION RATE (BUA=1): Not Applicable

SECTION IV. FIRE AND EXPLOSION INFORMATION

FLASH POINT (ASTM D-82): >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, 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

SECTION V. HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:
THRESHOLD LIMIT VALUE:
EFFECTS OF ACUTE OVEREXPOSURE:
EYES: Possible irritation with repeated or prolonged contact.
SKIN: Possible irritation with repeated or prolonged contact. If injected under skin with high pressure grease gun, necrosis could result.
BREATHING: Not applicable
SWALLOWING: Possible irritation, nausea, or diarrhea.

MATERIAL SAFETY DATA SHEET		WEATHERFORD 515 Post Oak Blvd Houston, TX 77027	Emergency Telephone: CHEMTREC 1-800-424-9300 Local Telephone Number: (713) 693-4000
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**ELG236
Eco LubeGard**

SECTION IV. HEALTH HAZARD DATA (Continued)

FIRST AID:

IF ON 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.*

IF BREATHED: *Not applicable.*

PRIMARY ROUTE(S) OF ENTRY: *Skin contact*

SECTION V. REACTIVITY DATA

HAZARDOUS POLYMERIZATION: *Will not occur*

STABILITY: *Stable*

INCOMPATIBILITY: *Do not store with strong oxidizers. Avoid exposure to extreme temperatures.*

SECTION VI. SPILL OR LEAK PROCEDURES

SPILL: *Pick up and place in container for disposal.*

WASTE DISPOSAL METHOD: *Utilize permitted hazardous industrial waste disposal site. Comply with environmental regulations. Burning is NOT recommended.*

SECTION VII. PROTECTIVE EQUIPMENT TO BE USED

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.*

SECTION VIII. SPECIAL PRECAUTIONS OR OTHER COMMENTS

*Do not store with strong oxidizers.
Avoid exposure to extreme temperatures.*

DISCLAIMER: 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.

Tubing Dope

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)

ELS318 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

**ELS318
Eco LubeSeal**

 PRODUCT NAME: *ELS 318 Eco LubeSeal* Date prepared: *05-25-98*
 CAS NUMBER: *Not Applicable*

SECTION I: PRODUCT IDENTIFICATION

CHEMICAL FAMILY: *Petroleum Grease with Additives*

SECTION II: HAZARDOUS COMPONENTS

INGREDIENT	% (By Wt)	OSHA LIMIT	TLV

SECTION III: PHYSICAL DATA

BOILING POINT: *Not Applicable*
 VAPOR PRESSURE: *Not Applicable*
 VAPOR DENSITY (AIR=1): *Not Applicable*
 SPECIFIC GRAVITY (WATER=1): *1.2*
 PERCENT VOLATILES: *Not Applicable*
 EVAPORATION RATE (Btu/hr-ft²): *Not Applicable*

SECTION IV: FIRE AND EXPLOSION INFORMATION

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

SECTION V: HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:
 THRESHOLD LIMIT VALUE:
 EFFECTS OF ACUTE OVEREXPOSURE:
 EYES: *Possible irritation with repeated or prolonged contact.*
 SKIN: *Possible irritation 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

SECTION V. HEALTH HAZARD DATA (Continued)

FIRST AID:

IF ON SKIN: Wash thoroughly with soap and water. 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 occurs.

IF SWALLOWED: Do NOT induce vomiting. Get medical attention.

IF BREATHED: Not applicable.

PRIMARY ROUTE(S) OF ENTRY: Skin contact

SECTION VI. REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable

INCOMPATIBILITY: Do not store with strong oxidizers. Avoid exposure to extreme temperatures.

SECTION VII. SPILL/LEAK PROCEDURES

SPILL: Pick up and place in container for disposal.

WASTE DISPOSAL METHOD: Dispose of in accordance with environmental regulations. Burning is NOT recommended.

SECTION VIII. PROTECTIVE EQUIPMENT TO BE USED

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.

SECTION IX. SPECIAL PRECAUTIONS OR OTHER COMMENTS

Do not store with strong oxidizers.
Avoid exposure to extreme temperatures.

DISCLAIMER: 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.

MSDSWEATHERFORDDOMESTIC/ELS318MSD.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

MATERIAL ORDERED FOR:
311 NORTH LYNN AVENUE
LAMESA, TX 79331

Print Date: November 24, 1989

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.

I. PRODUCT IDENTIFICATION

CHEVRON DELO 400 Motor Oil SAE 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

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.

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 water. Remove and wash contaminated clothing.

INHALATION:

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

INGESTION:

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

3. IMMEDIATE HEALTH EFFECTS

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

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 will 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.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.
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).

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.

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 LIMITS

100.0 % CHEVRON DELO 400 Motor Oil SAE 30

CONTAINING

> 80.0 % LUBRICATING BASE OIL

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

< 20.0 % ADDITIVES INCLUDING THE FOLLOWING

< 2.0 % ZINC ALKYL DITHIOPHOSPHATE
 CAS68649423 A toxic chemical subject to the reporting requirements of 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 |
| RQ - Reportable Quantity | CPS - CUSA Product Code |
| CC - Chevron Chemical Company | CAS - Chemical Abstract Service Number |

10. REGULATORY INFORMATION

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

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

- SARA 311 CATEGORIES:
1. Immediate (Acute) Health Effects; NO
 2. Delayed (Chronic) Health Effects; NO
 3. Fire Hazard; NO
 4. Sudden Release of Pressure Hazard; NO
 5. 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 01,

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 | 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 |

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:

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



CITGO Petroleum Corporation
P. O. Box 3758
Tulsa, Oklahoma 74102

Frank's

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:

<u>Trade Name:</u>	<u>Commodity Code No.:</u>
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
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:	Stable.
Conditions Contributing to Instability:	None.
Incompatibility:	This product may react with strong oxidizers.
Hazardous Decomposition Products: (thermal, unless otherwise specified)	CO ₂ , CO, smoke, fumes, unburned hydrocarbons and trace oxides of phosphorous, nitrogen, sulfur and zinc.
Hazardous Polymerization:	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

6.0 HEALTH HAZARD DATA (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/M ³)	ACGIH TLV STEL/ Ceiling (C) ppm (mg/M ³)	ACGIH TLV Skin notation?	OSHA PEL TWA ppm (mg/ M ³)	OSHA PEL STEL/ Ceiling (C) ppm (mg/M ³)	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 Equipment: Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder 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.



TEXACO
MATERIAL SAFETY DATA SHEET

NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product.

Frank's
Gear Oil

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY

Haubline Gear Oil 85w-140

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
Health Emergency -Company : (914) 831-3400
General MSDS Assistance : (914) 838-7204
Texaco FaxBack System : (713) 432-3383
Technical Information -Fuels : (914) 838-7336
-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 0.1 % 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:
OSHA IARC NTP OTHER NONE
- - - - X

Seq.	Chemical Name	CAS Number	Range in %
01	Solvent-dewaxed heavy paraffinic petroleum distillates	64742-65-0	50.00-64.99
02	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
01	5 mg/m3 TWA-OSHA (MINERAL OIL MIST)
01	5 mg/m3 TWA-ACGIH (MINERAL OIL MIST)
01	10 mg/m3 STEL ACGIH (MINERAL OIL MIST)

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance:
Pale liquid
Odor:
Additive odor

WARNING STATEMENT

CAUTION 1 CONTAINS OR MAY RELEASE HYDROGEN SULFIDE GAS WHEN HEATED

PAGE: 1

N.D. - NOT DETERMINED N.A. - NOT APPLICABLE N.T. - NOT TESTED
< - LESS THAN > - GREATER THAN



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.D. - NOT DETERMINED
< - LESS THAN

N.A. - NOT APPLICABLE
> - GREATER THAN

N.T. - NOT TESTED

11. TOXICOLOGICAL INFORMATION (F)**Irritation Index, Estimation of Irritation (Species)****Skin:**

(Draize) Believed to be > .50 - 3.00 /8.0 (rabbit) slightly irritating

Eyes:

(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

TDG:**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 %

None

Section 302/304 Extremely Hazardous Substances (CONT)Seq. TPQ RQ

None

Section 311 Hazardous Categorization:

Acute Chronic Fire Pressure Reactive N/A

- - - - - X

Section 313 Toxic ChemicalChemical Name CAS Number Concentration

None

CERCLA 102(a)/DOT Hazardous Substances: (+ indicates DOT Hazardous Substance)Seq. Chemical Name CAS Number Range in %

None

CERCLA/DOT Hazardous Substances (Sequence Numbers and RQ's):Seq. RQ

None

PAGE: 5

N.D. - NOT DETERMINED
< - LESS THANN.A. - NOT APPLICABLE
> - GREATER THAN

N.T. - NOT TESTED



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



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: (914) 831-3400
CHEMTREC: (800) 424-9300

HEALTH EMERGENCY Company: (914) 831-3400

Dry Moly

MATERIAL SAFETY DATA SHEET

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, Ft. Lauderdale, FL 33310
D.O.T. Hazard Class: CONSUMER COMMODITY - ORM-D

Formula: Proprietary
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- Serious 4- Extreme
HEALTH: 2 FIRE: 3 REACTIVITY: 0
Personal Protection : 5

SECTION II - INGREDIENTS

Table with 8 columns: CHEMICAL NAME, CAS #, %WT, 313/Chem, Skin, Carcinogen, PEL, TWA/TLV. Rows include Methylene Chloride, Petroleum Distillate, and Liquefied Petroleum Gas.

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

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperature above 120° F may cause bursting.

Flammability (as per USA Flame Projection Test): Extremely Flammable Spray

SECTION V - REACTIVITY DATA

Stability: Material Stable.

Hazardous Polymerization: Will not Occur.

Incompatibility: Avoid contact with strong oxidizing 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 irritation but does not injure eye tissue.

Skin: Frequent or prolonged contact may cause irritation.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. 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 irritation persists get medical attention immediately.

Skin: Wash with soap and water. If irritation 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 goggles.

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 absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent 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.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=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 nor fully 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.

Handwritten notes: 955, 2-15-95

...002/007
 BOP-Grease
 Tube Grease

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: CITGO PETROLEUM CORPORATION Information Phone: 405-270-6200
 P.O. BOX 26868 Emergency Phone: 800-424-9300
 915 M.L. KING BLVD. CHEMTREC Phone: 800-424-9300
 OKLAHOMA CITY OK 73126

Trade 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
 HMIS Personal Protection - B

Product Code : 5438B-001
 U.A.S. Number: COMPLEX MIXTURE

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
PETROLEUM HYDROCARBON	64742-52-5	50-75	5 mg/M3	5	mg/M3N/AV
THIS PETROLEUM HYDROCARBON WITH THE SAME CAS NUMBER MAY APPEAR REPEATEDLY IN SECTION II IF OBTAINED FROM MORE THAN ONE SOURCE.					
LITHIUM STEARATE SOAP	7620-77-1	5-20	Undetermined		N/AV
LITHIUM CARBOXYLATE SOAP	PROPRIETARY	1-5	Undetermined		0
PETROLEUM HYDROCARBON	64742-62-7	5-20	5 mg/M3	5	mg/M30
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		N/AV
PETROLEUM HYDROCARBON	64742-53-6	5-20	5 mg/M3	5	mg/M30
THIS PETROLEUM HYDROCARBON MAY ALSO CONTAIN CAS# 64742-52-5.					
PROPRIETARY ADD:5101	PROPRIETARY	1-5	Undetermined		N/AV
ORGANIC ZINC ADD:5189	PROPRIETARY	1-5	Undetermined		0
ORGANIC ZINC ADDITIVE 5189 CONTAINS 50% ORGANOMETALLIC ZINC COMPOUND WHICH IS REPORTABLE UNDER SARA SECTION 313.					
PROPRIETARY ADD:5168	PROPRIETARY	1-5	400 ppm	400	ppm N/AV
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 ISOPROPYL 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.)

=====

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

Boiling Range: N/A Deg. F	Vapor Density: Heavier than Air.
Evap. Rate: Slower than n-Butyl Acetate	Liquid Density: Lighter than Water.
Volatiles volume: N/A %	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.

SPECIAL 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.)

===== 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 OSHA.)

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 =====

STABILITY: [] Unstable [x] Stable
HAZARDOUS 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.

=====

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 DECOMPOSITION.

=====

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.

=====

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.)

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.

ABBREVIATIONS:

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%		
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-TRIMETHYL BENZENE AND ISOPROPYL ALCOHOL. SYHIS PRODUCT MAY CONTAIN THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS BASED ON THE MAXIMUM IMPURITY LEVELS OF THE FOLLOWING COMPONENTS: < 1 PPM CADMIUM, <1 PPM LEAD, 2 PPM ARSENIC AND 3 PPM ETHYL ACRYLATE

M A T E R I A L S A F E T Y D A T A S H E E T

130 WR WEATHERFORD RED ENAMEL

PRODUCT NAME: 44R30 WR WEATHERFORD RED ENAMEL
PRODUCT CODE: 44R30

HMS CODES: H F R P
2 1 0 X

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: H-I-S PAINT MANUFACTURING COMPANY INC
ADDRESS: 1801 WEST RENO OKLAHOMA CITY, OKLAHOMA 73106-3217
EMERGENCY PHONE: 405-232-2077 DATE PRINTED: 05/03/99
INFORMATION PHONE: 405-232-2077 REVISION DATE: 09/01/98
4 HOUR EMERGENCY: 405-640-5304 NAME OF PREPARER: STEVE BUSSJAEGER
4HR EMERGENCY (ALT): 405-232-2549 (Ext.114), 405-692-7269, or 405-691-0479

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 4 columns: PORTABLE COMPONENTS, CAS NUMBER, VAPOR PRESSURE mm Hg @ TEMP, WEIGHT PERCENT. Row 1: ETHYLENE GLYCOL MONOBUTYL ETHER (2-BUTOXY ETHANOL), 111-76-2, 0.6, 68°F, 14.0. Includes TLV, PEL, LD50, and LC50 values.

Indicates toxic chemical(s) subject to the reporting requirements of section 311 of Title III and of 40 CFR 172. This material contains ingredients covered by the California Safe Drinking Water and Toxic Enforcement Act of 1986. All components of this product are present on the United States Toxic Substances Control Act (TSCA) chemical substances inventory.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

OILING RANGE: 336°F SPECIFIC GRAVITY (H2O=1): 1.04
VAPOR DENSITY: Heavier than air EVAPORATION RATE: Slower than ether
BOILING V.O.C.: 3.12 lb/gl MATERIAL V.O.C.: 1.29 lb/gl
FLASHING V.O.C.: 374 g/l MATERIAL V.O.C.: 155 g/l
SOLUBILITY IN WATER: Material is water soluble and/or dispersible in water
APPEARANCE AND ODOR: Liquid, mild odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONCOMBUSTIBLE
EXTINGUISHING MEDIA: Foam, CO2, dry chemical.
SPECIAL FIREFIGHTING PROCEDURES: None known. However, fire fighters should wear self-contained breathing apparatus to avoid inhalation if material is involved in a metal fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers exposed to extreme heat may rupture due to pressure buildup. Product will not burn, but may spatter if temperature exceeds boiling point of product. Dried finish can burn, giving off oxides of carbon.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID

M A T E R I A L S A F E T Y D A T A S H E E T

30 WR WEATHERFORD RED ENAMEL

Page: 2

cessive heat, poor ventilation, excessive aging.

COMPATIBILITY (MATERIALS TO AVOID)
None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Normal decomposition or combustion can produce fumes of carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Fog or mist can cause headache, nausea and irritation of the nose, throat and lungs in poorly ventilated areas.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

On contact: Irritating to the skin on repeated or prolonged contact. Eye contact: Direct contact may cause eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Adverse effects from available information.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause gastrointestinal irritation.

HEALTH HAZARDS (ACUTE AND CHRONIC)

No effects are listed above. No known chronic effects.

MUTAGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

-existing eye, skin and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation- Move person to fresh air. Eye contact- Flush immediately with a large amount of water for at least 15 minutes and get medical attention. Skin contact- Wash thoroughly with soap and water while removing contaminated clothing and shoes. Ingestion- Do not induce vomiting; Contact physician or your local poison control center immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Contain spill area and add absorbent earth, sand or sawdust to spilled liquid. Keep out of sewers.

SAFE DISPOSAL METHOD

Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers tightly closed when not in use. Store in cool, well ventilated areas away from heat and out of direct sunlight. PROTECT FROM FREEZING! Wash thoroughly after handling.

OTHER PRECAUTIONS

DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. Avoid prolonged breathing of vapor or spray mist. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Wash hands after using and before smoking or eating. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed.



EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY 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 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.

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SECTION I

CODE IDENTIFICATION ZY0198 DATE PRINTED 05/05/97
PRODUCT IDENTIFICATION SPRAY-MATE MALIBU BLUE

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED WT.%: 20-30
COMMON NAME : LIQUEFIED PETROLEUM GASES, SWEETENED SARA? NO
CAS NUMBER : 68476-84-0 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : NOT EST. OSHA (TWA) : NOT EST.
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: BENZENE, METHYL- WT.%: 10-20
COMMON NAME : TOLUENE SARA? **
CAS NUMBER : 108-88-3 LD50: 5000.00 MG/KG ORL RAT CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : 50 PPM OSHA (TWA) : 100 PPM
ACGIH (STEL) : 150 PPM OSHA (STEL) : 150PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: BENZENE WT.%: .01-
COMMON NAME : BENZENE SARA? **
CAS NUMBER : 71-43-2 LD50: NOT EST. CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 OSHA? YES
ACGIH (TWA) : 10 PPM OSHA (TWA) : 1 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : 5PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: ACETONE WT.%: 20-30
COMMON NAME : SAME SARA? NO
CAS NUMBER : 67-64-1 LD50: 5800.00 MG/KG ORL RAT CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : 1000 PPM OSHA (TWA) : 1000 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: DISTILLATES (PETROLEUM), STEAM-CRACKED, POLYMD. WT.%: 1-5
COMMON NAME : PETROLEUM RESINS SARA? NO
CAS NUMBER : 68131-77-1 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
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.

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC WT.%: 5-10
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? NO
ACGIH (TWA) : 300 PPM OSHA (TWA) : 300 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : 400 PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC WT.%: 1-5
COMMON NAME : AROMATIC HYDROCARBON BLEND SARA? 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 PPM

23045

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME----- Balcones Minerals Corp.

ADDRESS-----P. O. Drawer B
Flatonia, Texas 78941

TELEPHONE NO.---- 512/865-3514

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

ODOR-----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

EFFECTS 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

INCOMPATIBILITY---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 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

<u>ELEMENTS</u>	<u>APPROX. %</u>
Aluminum	13.00
Barium	Trace
Boron	Trace
Calcium	3.00
Chromium	0.006
Copper	0.006
Iron	1.00
Magesium	2.00
Manganese	0.08
Nickel	Trace
Potassium	2.00
Silicon	28.00
Sodium	2.00
Strontium	Trace
Vanadium	0.05
Titanium	0.10
Zirconium	0.02
OXYGEN	BALANCE

U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET (SPRAY) 9-1-84

SECTION I

MANUFACTURER'S NAME WD-40 Company		EMERGENCY TELEPHONE NO. 619/275-1400
ADDRESS (Number, Street, City, State, and ZIP Code) 1061 Cudahy Place (92110), P. O. Box 80607, San Diego, California 92138-9021		
CHEMICAL NAME AND SYNONYMS Organic mixture	TRADE NAME AND SYNONYMS WD-40 spray cans	
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	Not applicable		BASE METAL	Not applicable	
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					% TLV (Units)
(1) Aliphatic petroleum distillate (stoddard solvent) CAS 8052-41-3 over				50	500ppm
(2) Petroleum base oil (CAS 8012-95-1) over				15	
(3) A-70 hydrocarbon propellant (liquified petroleum gas) (CAS 68476, 85 7*)				25	1000ppm
(4) Proprietary corrosion inhibitors and wetting agents *				Balance	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	Total mix in can	.710
VAPOR PRESSURE (mm Hg.)	in cans @ 70° F. 50 psig	PERCENT VOLATILE BY VOLUME (%)	Total can contents	80
VAPOR DENSITY (AIR=1)	greater than 1	EVAPORATION RATE (— = 1)		
SOLUBILITY IN WATER	insoluble - forms unstable emulsion.			
APPEARANCE AND ODOR	light amber colored liquid slight characteristic odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LeL	UeL
Not applicable to spray cans	propellant portion	1.8% vol	9.5% vol
EXTINGUISHING MEDIA	CO ₂ , dry chemical, foam		
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Considered "extremely flammable" under Consumer Product Safety Commission regulations.		

*These do not constitute any special toxicity or handling hazards.

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE For thinner (lowest TLV of all components) 500 ppm.

EFFECTS OF OVEREXPOSURE Drying of skin, eye irritation, inhalation of vapor may cause anesthesia, headache, dizziness, nausea & upper respiratory irritation. Swallowing can cause irritation, nausea, vomiting, and diarrhea. Aspiration into lungs can cause chemical pneumonitis.

EMERGENCY AND FIRST AID PROCEDURES
 For ingestion, do not induce vomiting, call a physician. For eye contact, flush with plenty of water, remove contact lenses if worn. For skin contact, wash with soap and water, apply skin cream. For inhalation, remove to fresh air, give artificial respiration if necessary; if breathing is difficult, give oxygen.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Spills unlikely from cans. Leaking cans should be placed in plastic bag or open pail until pressure has dissipated.

WASTE DISPOSAL METHOD
 Empty spray cans should not be punctured or incinerated, bury in land fill. Liquid should be incinerated or buried in land fill.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			
VENTILATION	LOCAL EXHAUST	SPECIAL	
	Sufficient to keep solvent vapor less than TLV.		None
		OTHER	
		None	
PROTECTIVE GLOVES		EYE PROTECTION	
None required		None required	
OTHER PROTECTIVE EQUIPMENT, None required.			

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Keep from sources of ignition. Do not take internally. Avoid excessive inhalation of spray particles. Do not store above 120°F. Do not incinerate or puncture containers.

OTHER PRECAUTIONS

MATERIAL SAFETY DATA SHEET

DATE: 8/22/85

(ESSENTIALLY SIMILAR TO FORM OSHA-201)

I-PRODUCT INFORMATION

MANUFACTURED FOR

EMERGENCY
PHONE NO.

ADDRESS

Amrep

OTHER

FORMULA

TRADE NAME

PROPRIETARY

Dry moly

II-HAZARDOUS INGREDIENTS

	CAS #	%	HEALTH HAZARD
Methylene chloride	75-09-2	20	100
Xylene	1330-20-7	2	100
Ethanol	46-17-5	2	200
Methyl chloroform	71-55-6	3	350
Isobutane / Propane blend	75-28-5 74-98-6	15	1000
Molybdenum Disulfide	Unknown		
2-ethoxy ethanol	Unknown		

III-PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H ₂ O=1)	Concentrate
VAPOR PRESSURE (psig)	Max. 60	% VOLATILE BY VOLUME	98
VAPOR DENSITY	NA	EVAPORATION RATE (15°F)	
SOLUBILITY IN WATER	insoluble	APPEARANCE AND ODOR	black spray chlorinated solvent odor

IV-FIRE & EXPLOSION HAZARD DATA

FLAMMABILITY as per CPSC FLAME EXTENSION TEST	NON-FLAMMABLE	FLAMMABLE LIMITS	Lower NA
EXTINGUISHING MEDIA	Aerosol is non-flammable: foam, dry chemical, carbon dioxide		
SPECIAL FIRE FIGHTING PROCEDURES	self contained breathing apparatus		
UNUSUAL FIRE & EXPLOSION HAZARDS	Do not expose aerosols to temperatures above 130°F or the container may explode.		

V-REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID	heat, sparks, open flame, welding arcs
	STABLE		
INCOMPATIBILITY (Materials to avoid)	water, strong oxidants		
HAZARDOUS DECOMPOSITION PRODUCTS	CO, HCl, and small amounts of phosgene & chlorine		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE



Material Safety Data Sheet

CHEVRON Supreme Motor Oil SAE 10W-30

gas engine

CPS220019

Page 1 of 7

E E HENSLEY & SON INC 5026351
DELD PKG STK ACCT
PO BOX 848
ODESSA, TX 79760

MATERIAL ORDERED FOR:
823 W FIRST
ODESSA, TX 79760

Print Date: October 29, 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.

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.



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

MATERIAL ORDERED FOR:
823 W FIRST
ODESSA, TX 79760

Print Date: November 22, 1989

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.

ANTIFREEZE

~~105-08~~

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 UN NO: N/A
DOT HAZARD CLASS: NON REGULATED
CHEMICAL FAMILY: GLYCOL

2. PHYSICAL DATA

SPECIFIC GRAVITY (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, SODIUM MBT, SODIUM NITRATE, POT. HYDROXIDE,
DIPOTASSIUM PHOSPHATE, SODIUM TOLYTRATE, 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.

MATERIAL SAFETY DATA SHEET

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 AND COATINGS ASSOCIATION HAZARDOUS MATERIAL IDENTIFICATION SYSTEM	HEALTH HAZARD	2 - MODERATE
	FLAMMABILITY HAZARD	4 - SEVERE
	REACTIVITY HAZARD	0 - MINIMAL
	PERSONAL PROTECTION	B - GLASSES, GLOVES

SECTION I. MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: BROMA 10-MINUTE DRY DECORATIVE ENAMEL

DESCRIPTION: 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): N/A*
D.O.T. LABEL REQUIRED (49 CFR 172.101): NONE*
EPA HAZARD CLASS - IF DISCARDED (40 CFR 261): D001-IGNITABLE
*FOR 13 OZ. AEROSOL

MANUFACTURER: DAP INC. PHONE: 1-800-543-3840
P.O. BOX 277 IN OHIO:
DAYTON, OH 45401-0277 1-513-253-7154

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENT NAME:	CAS NUMBER:	PERCENT:	EXPOSURE LIMITS:
**PETROLEUM NAPHTHA (CONTAINS 7% XYLENE)	64742-89-8	5-10	ACGIH TLV: 400PPM
ACETONE	67-64-1	15-30	SARA 313 CHEMICAL OSHA PEL: 750PPM TWA 1000PPM STEL ACGIH TLV: 750PPM ACGIH STEL: 1000PPM OSHA PEL: 300PPM TWA 400PPM
**VM&P NAPHTHA	8030-30-6	<5	STEL SARA 313 CHEMICAL OSHA PEL: 100PPM TWA 150PPM CEILING PEL: 200PPM ACGIH TLV: 100PPM ACGIH STEL: 150PPM
XYLENE	1330-20-7		SARA 313 CHEMICAL OSHA PEL: 100PPM TWA 150PPM STEL CEILING PEL: 200PPM ACGIH TLV: 100PPM ACGIH STEL: 150PPM
TOLUENE	108-88-3	25-35	SARA 313 CHEMICAL OSHA PEL: 100PPM

INGREDIENTS AND HAZARDS CONTINUES ON PAGE 2 --- PAGE 1

MATERIAL SAFETY DATA SHEET

Paints

ICLID AVENUE
LAND, OHIO 44115
AGENCY 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.

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ZY0407

PAGE 1

SECTION I

MODE IDENTIFICATION ZY0407
PRODUCT IDENTIFICATION GEN GOLD

DATE PRINTED

05/05/97

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED WT.%: 20-30
COMMON NAME: LIQUEFIED PETROLEUM GASES, SWEETENED SARA? NO
CAS NUMBER: 68476-86-8 LD50: NOT EST. CERCLA? NO
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA): NOT EST. OSHA (TWA): NOT EST.
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: ACETONE WT.%: 40-50
COMMON NAME: SAME SARA? NO
CAS NUMBER: 67-64-1 LD50: 5800.00 MG/KG ORL RAT CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA): 1000 PPM OSHA (TWA): 1000 PPM
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: BENZENE WT.%: .01-.1
COMMON NAME: BENZENE SARA? **
CAS NUMBER: 71-43-2 LD50: NOT EST. CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 OSHA? YES
ACGIH (TWA): 1.0 PPM OSHA (TWA): 1 PPM
ACGIH (STEL): NOT EST. OSHA (STEL): 5PPM
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: BENZENE, METHYL- WT.%: 10-20
COMMON NAME: TOLUENE SARA? **
CAS NUMBER: 108-88-3 LD50: 5000.00 MG/KG ORL RAT CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA): 50 PPM OSHA (TWA): 100 PPM
ACGIH (STEL): 150 PPM OSHA (STEL): 150PPM
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: BENZENE, DIMETHYL- WT.%: 1-5
COMMON NAME: XYLENE SARA? **
CAS NUMBER: 1330-20-7 LD50: 4300.00 MG/KG ORL RAT CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA): 100 PPM OSHA (TWA): 100 PPM
ACGIH (STEL): 150 PPM OSHA (STEL): 150PPM
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: COPPER WT.%: 1-5
COMMON NAME: COPPER POWDER SARA? **
CAS NUMBER: 7440-50-8 LD50: NOT EST. CERCLA? ***
ARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA): 1.0 MG/M3 OSHA (TWA): 1.0 MG/M3
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

** 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).

M A T E R I A L S A F E T Y D A T A S H E E T

FRANK JONES

36. 12
OFFICE

Page: 1

BAIN EQUIPMENT COMPANY
COVERING THE OILFIELD WITH PAINT
8620 WEST COUNTY ROAD - NITE: 382-8401



NATIONAL BATTERIES
ALL TYPES

- MANUFACTURER INFORMATION

, Inc.

- HMIS -

-0528

HEALTH : 2
FLAMMABILITY : 3
REACTIVITY : 0
PROTECTION : 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**=====

COMPONENTS	CAS#	% by WT	VAPOR PRESSURE	
			(mm Hg)	@ Temp)
* XYLENE	1330-20-7	45 - 50	6.6	20 c
* CO-PRECIPITATE OF LEAD CHROMATE AND LEA		1 - 5	n/a	n/a
* LEAD	7439-92-1	1 - 5	n/a	n/a
* LIGHT AROMATIC NAPHTHA	64742-95-6	1 - 5	<10.00	25 c
* CHROMATE	133-82-0	<1	n/a	n/a

* DENOTES HAZARDOUS MATERIAL
* DENOTES CARCINOGENIC MATERIAL
* DENOTES SARA 313 REPORTABLE COMPONENT

=====**SECTION III - OCCUPATIONAL EXPOSURE LIMITS**=====

COMPONENT	PEL	PEL	PEL	PEL	TLV	TLV	TLV	TLV
	TWA	CEIL	STEL	SKIN	TWA	CEIL	STEL	SKIN
* XYLENE	100ppm	N/E	150ppm	Y	100ppm	N/E	150ppm	Y
CO-PRECIPITATE OF LEAD CHROMATE AND LEAD SULFAT	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
* LEAD	0.05mg/m3	N/E	N/E	N/E	0.05mg/m3	N/E	N/E	N/E
LIGHT AROMATIC NAPHTHA	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
CHROMATE	.1mg/m3 Cr	N/E	N/E	N/E	.05mg/m3 Cr	N/E	N/E	N/E

=====**SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS**=====

FLASHING POINT F (SOLVENT) >= : 284	SP. GR. (g/cc) : 1.01	
POR DENSITY : > 1 (air = 1)	WEIGHT PER GALLON : 8.43	(THEORETICAL)
APORATION RATE : < 1 (ether = 1)	% VOLATILE BY WEIGHT : 50.75	(THEORETICAL)
ATING V.O.C lb/gal : 4.28	% VOLATILES BY VOLUME : 57.59	(THEORETICAL)
T V.O.C lb/sol gl : 10.09	SOLUBILITY IN WATER : INSOLUBLE	
T WEIGHT PERCENT : 0.00		

M A T E R I A L S A F E T Y D A T A S H E E T

FRANK JONES

362-1012
OFFICE

BAIN EQUIPMENT COMPANY
COVERING THE OILFIELD WITH PAINT
8620 WEST COUNTY ROAD - NITE: 362-8401



RIG-KOTE

NATIONAL BATTERIES
ALL TYPES

MANUFACTURER INFORMATION

Inc.

- HMIS -

0528

HEALTH : 2
FLAMMABILITY : 3
REACTIVITY : 1
PROTECTION : H

Product Class: ALKYD FINISH
Mfg. Code ID : 60000-TP
Trade Name : 259 #20 ALUMINUM
Preparation Date : 01/10/96

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

COMPONENTS	CAS#	% by WT	VAPOR PRESSURE (mm Hg @ Temp)	
MINERAL SPIRITS	8052-41-3	25 - 30	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
DENOTES SARA 313 REPORTABLE COMPONENT

SECTION III - OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	PEL TWA	PEL CEIL	PEL STEL	PEL SKIN	TLV TWA	TLV CEIL	TLV STEL	TLV SKIN
MINERAL SPIRITS								
XYLENE	500ppm	N/E	N/E	N/E	100ppm	N/E	200ppm	N/E
PETROLEUM DISTILLATES	100ppm	N/E	150ppm	Y	100ppm	N/E	150ppm	Y
	100ppm	N/E	N/E	N/E	100ppm	N/E	N/E	N/E

SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (SOLVENT) >= : 284	SP. GR. (g/cc) : 0.95
RELATIVE DENSITY : > 1 (air = 1)	WEIGHT PER GALLON : 7.91 (THEORETICAL)
VAPOR PRESSURE RATE : < 1 (ether = 1)	% VOLATILE BY WEIGHT : 57.07 (THEORETICAL)
HEAVY METALS V.O.C lb/gal : 4.51	% VOLATILES BY VOLUME : 66.21 (THEORETICAL)
HEAVY METALS V.O.C lb/sol gl : 13.35	SOLUBILITY IN WATER : INSOLUBLE
HEAVY METALS PERCENT : 0.00	

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 80
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .7@25C UPPER: 12.3@77F
 FLAMMABILITY CLASSIFICATION :
 HAZARD : CLASS I C FLAMMABLE LIQUID
 METHOD USED: SETAFLASH

BAIN EQUIPMENT COMPAI

COVERING THE OILFIELD WITH PAINT
8620 WEST COUNTY ROAD - NITE: 362-8401

White Enamel Bucket 22A

- H M I S -

HEALTH	: 2
FLAMMABILITY	: 2
REACTIVITY	: 0
PERSONAL PROTECT.:	H

RIG-KOTE

NATIONAL BATTERIES
ALL TYPES

PRODUCT CLASS. NUMBER 0000000000
mfg. code id : 270-1
trade name : 270-1 WHITE ENAMEL

HAZARD RATING : 0=least, 1=slight, 2=moderate, 3=high, 4=extreme, *-chronic
(H = splash goggles, gloves, synthetic apron, & vapor respirator)

SECTION II-A

HAZARDOUS COMPONENTS

no.	component	CAS#	% by wt.	SARA	vapor pressure (mm Hg @ 20 C)	LEL (@ 25 C)
1	MINERAL SPIRITS	8052-41-3	35 - 40	NO	2.60	0.70
2	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 =

SECTION II-B

OCCUPATIONAL EXPOSURE LIMITS

no.	(OSHA) PEL/TWA	PEL/CEILING	PEL/STEL	skin
1	500 ppm (AS STODDARD)	SOLVENT)	N/E	N/E
2	15 mg/m3	N/E	N/E	N/E

no.	(ACGIH) TLV/TWA	TLV/CEILING	TLV/STEL	skin
1	100 ppm (AS STODDARD)	N/E	200 ppm	N/E
2	10 mg/m3 Total Dust	N/E	N/E	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	% volatile by volume	: 58.27 (Theoretical)
evaporation rate	: < 1 (ether = 1)	% volatile by weight	: 40.45 (Theoretical)
vapor density	: > 1 (air = 1)	weight per gallon	: 9.37 (Theoretical)

SECTION IV

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.



EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-545-2843

The information contained herein is based on data available at the time of preparation of the data sheet and which ICI Paints believes to be reliable. However, no warranty 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.

M 0000000001 1100

ZY0198

PAGE

SECTION I

CODE IDENTIFICATION ZY0198 DATE PRINTED 05/05/97
PRODUCT IDENTIFICATION SPRAY-MATE MALIBU BLUE

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME: PETROLEUM GASES, LIQUEFIED, SWEETENED WT.%: 20-30
COMMON NAME : LIQUEFIED PETROLEUM GASES, SWEETENED SARA? NO
CAS NUMBER : 68476-86-0 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : NOT EST. OSHA (TWA) : NOT EST.
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: BENZENE, METHYL- WT.%: 10-20
COMMON NAME : TOLUENE SARA? **
CAS NUMBER : 108-88-3 LD50: 5000.00 MG/KG ORL RAT CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : 50 PPM OSHA (TWA) : 100 PPM
ACGIH (STEL) : 150 PPM OSHA (STEL) : 150PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: BENZENE WT.%: 1.01-
COMMON NAME : BENZENE SARA? **
CAS NUMBER : 71-43-2 LD50: NOT EST. CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 OSHA? YES
ACGIH (TWA) : 10 PPM OSHA (TWA) : 1 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : 5PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: ACETONE WT.%: 20-30
COMMON NAME : SAME SARA? NO
CAS NUMBER : 67-64-1 LD50: 5800.00 MG/KG ORL RAT CERCLA? ***
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
ACGIH (TWA) : 1000 PPM OSHA (TWA) : 1000 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: DISTILLATES (PETROLEUM), STEAM-CRACKED, POLYMD. WT.%: 1-5
COMMON NAME : PETROLEUM RESINS SARA? NO
CAS NUMBER : 68131-77-1 LD50: NOT EST. CERCLA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO OSHA? NO
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.

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC WT.%: 5-10
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? NO
ACGIH (TWA) : 300 PPM OSHA (TWA) : 300 PPM
ACGIH (STEL) : NOT EST. OSHA (STEL) : 400 PPM
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC WT.%: 1-5
COMMON NAME : AROMATIC HYDROCARBON BLEND SARA? 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 PPM

OIL CENTER RESEARCH, INC.

DATE PREPARED:

EMERGENCY TELEPHONE:

616 W. PONT DES MOUTON RD / LAFAYETTE, LA 70507

08-16-96

CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT: 236 Environmentally Safe <i>Tool Joint and Drill Collar Compound</i>		CHEMICAL NAME <i>Not Applicable</i>	
CHEMICAL FAMILY <i>Tool Joint and Drill Collar Compound</i>		FORMULA <i>Mixture</i>	CAS NUMBER <i>Not Applicable</i>
NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATING CODES LEAST=0 SLIGHT=1 MODERATE=2 HIGH=3 EXTREME=4		HEALTH CODE <i>I</i>	FIRE CODE <i>I</i>
		REACTIVITY CODE <i>0</i>	

II. HAZARDOUS COMPONENTS

INGREDIENT:	%	OSHA LIMIT	TLV
<i>Petroleum Oil</i>	<i>60-70</i>	<i>5mg/M³ as oil mist</i>	<i>5mg/M³ as oil mist</i>
<i>Graphite</i>	<i>10-18</i>	<i>Not Available</i>	<i>2.0 mg/M³</i>

Title III, Sec. 313 Status:

INGREDIENT:	%	CAS #
<i>None</i>		

III. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT <i>Not Applicable</i>	VAPOR PRESSURE <i>Not Applicable</i>	EVAPORATION RATE()=1 <i>Not Applicable</i>
PERCENT VOLATILE BY VOLUME (%) <i>Not Applicable</i>	APPEARANCE <i>Black Paste</i>	ODOR <i>Mild Petroleum</i>
VAPOR DENSITY (air=1) <i>Not Applicable</i>	SPECIFIC GRAVITY (H₂O=1) <i>1.04</i>	SOLUBILITY IN WATER <i>Insoluble</i>

IV. FIRE PROTECTION INFORMATION

FLASH POINT AND METHOD <i>> 400°F (ASTM D-92)</i>	AUTO IGNITION TEMPERATURE <i>Not Applicable</i>	FLAMMABLE LIMITS % VOLUME IN AIR <i>Not Available</i>	LOWER %	UPPER %
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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 <input checked="" type="checkbox"/>	MAY OCCUR <input type="checkbox"/>	STABILITY:	STABLE <input checked="" type="checkbox"/>	UNSTABLE <input type="checkbox"/>
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V. HEALTH INFORMATION

IRRRALATION

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.

INGESTION

Possible irritation, nausea, or diarrhea.

OIL CENTER RESEARCH, INC. 616 W. PONT DES MOULTON RD / LAFAYETTE, LA 70507	DATE PREPARED: 06-30-97	EMERGENCY TELEPHONE: CHEMTREC 1-800-424-9300
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MATERIAL SAFETY DATA SHEET

II. PRODUCT IDENTIFICATION

PRODUCT <i>318 Metal Free OCR Modified Thread Compound</i>	CHEMICAL NAME <i>Not Applicable</i>		
CHEMICAL FAMILY <i>Petroleum Grease with Additives</i>	FORMULA <i>Mixture</i>	CAS NUMBER <i>Not Applicable</i>	
NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATING CODES LEAST=0 SLIGHT=1 MODERATE=2 HIGH=3 EXTREME=4	HEALTH CODE <i>1</i>	FIRE CODE <i>1</i>	REACTIVITY CODE <i>0</i>

III. HAZARDOUS COMPONENTS

INGREDIENT:	%	OSHA LIMIT	TLV
<i>Petroleum Oil</i>	<i>40-60</i>	<i>5mg/M³ as Oil Mist</i>	<i>5mg/M³ Oil Mist</i>
<i>Polytetrafluoroethylene</i>	<i>5-15</i>	<i>5mg/M³ as respirable dust</i>	<i>5mg/M³ as respirable dust</i>

This III, Sec. 313 Status:

INGREDIENT:	%	CAS #
<i>None</i>		

III. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT <i>Not Applicable</i>	VAPOR PRESSURE <i>Not Applicable</i>	EVAPORATION RATE (H=1) <i>Not Applicable</i>
PERCENT VOLATILE BY VOLUME (V) <i>Not Applicable</i>	APPEARANCE <i>Black Paste</i>	ODOR <i>Mild Petroleum</i>
VAPOR DENSITY (H=1) <i>Not Applicable</i>	SPECIFIC GRAVITY (H2O=1) <i>1.2</i>	SOLUBILITY IN WATER <i>Insoluble</i>

IV. FIRE PROTECTION INFORMATION

FLASH POINT AND METHOD <i>Greater than 400°F</i>	AUTO IGNITION TEMPERATURE <i>> 600°F</i>	FLAMMABLE LIMITS % VOLUME IN AIR <i>Not Available</i>	LOWER %	UPPER %
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EXTINGUISHING MEDIA
Carbon dioxide, dry chemical, or foam.

HAZARDOUS DECOMPOSITION PRODUCTS
Incomplete combustion can yield carbon monoxide, carbon dioxide, and various hydrocarbons.

FIRE AND EXPLOSION HAZARD
*For fire fighting, use self-contained breathing apparatus with positive pressure.
May emit toxic fumes at temperatures greater than 930°F.*

HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR	<input checked="" type="checkbox"/>	MAY OCCUR	<input type="checkbox"/>	STABILITY:	STABLE	<input checked="" type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
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V. HEALTH INFORMATION

INHALATION
Not Applicable

EYE CONTACT
Possible irritation with repeated or prolonged contact.

SKIN CONTACT
Possible irritation with repeated or prolonged contact. If injected under the skin with high pressure grease gun, necrosis could result.

INGESTION
Possible irritation with repeated or prolonged contact. Aspiration hazard.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 25 Thinner
PRODUCT CODE: 25 THINNER

HMS CODES: H F R P
2 3 0 J

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: INDUSTRIAL COATINGS
ADDRESS: 5521 Mitchelldale, Houston, Texas 77092
EMERGENCY PHONE: 713-686-3411 INFORMATION PHONE: 713-686-3411
DATE REVISED : 06-21-90 NAME OF PREPARER : Larry Hannusch
REASON REVISED : Update

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER			
M & P Naptha	64742-89-3	NA	300ppm			29.4 68F	100

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 =====

BOILING POINT: 192 Deg F SPECIFIC GRAVITY (H2O=1): 0.8
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
RELATIVE V.O.C.: 6.50 LB/GL (779 G/L)
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Clear thin liquid with aliphatic odor.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 18 Deg F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.2% UPPER: 8.0%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect firefighters and help cool closed containers. Use full bunker gear when entering confined fire space. Use NIOSH approved positive pressure self-contained breathing apparatus.

SPECIAL FIRE AND EXPLOSION HAZARDS

Empty containers may burst in the presence of extreme heat. Isolate containers from open flame, heat, sparks, electrical equipment, and oxidizers. Applying to hot surfaces requires special precautions. Empty containers are considered very hazardous due to the residual fumes present.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID

isolate from extreme heat, open flame, sparks, electrical equipment, and strong oxidizers.

INCOMPATIBILITY (MATERIALS TO AVOID)

isolate from strong oxidizers such as permanganates and peroxides.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

from burning.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

RESPIRATORY HEALTH RISKS AND SYMPTOMS OF EXPOSURE

dizziness, loss of equilibrium, nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: Possible rash, defatting, dermatitis.

EYES: Redness, tearing, blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dermatitis, irritation; absorption through the skin increases exposure and may be harmful.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Nausea, dizziness, abdominal irritation, vomiting, diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Respiratory irritation, headaches, dermal irritation; may be fatal if swallowed.

CHRONIC: Vapor harmful, absorption through the skin may be harmful. Vapor and liquid can cause eye irritation.

MUTAGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

Not established. Overexposure may increase cancer risk.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with severe skin, liver, or kidney problems should avoid use.

EMERGENCY AND FIRST AID PROCEDURES

In case of contact with skin, wash thoroughly with soap and water. For eyes, immediately flush with plenty of water for several minutes and CALL A PHYSICIAN. Remove and wash contaminated clothing before reuse. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If swallowed, do not induce vomiting and call a physician immediately.

=====
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Stop spill at source. Dike area and contain. Pump spilled material into approved DOT containers. Remove remainder with absorbent material and also place in approved DOT containers.

WASTE DISPOSAL METHOD

Dispose of waste by legal means complying with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid free fall of material as this can lead to static discharge. Keep containers a safe distance from fire and heat. Empty containers should be considered very hazardous because of the residual vapors.

OTHER PRECAUTIONS

Do not drop containers. Store containers a safe distance from ignition sources.

=====
SECTION VIII - CONTROL MEASURES
=====

RESPIRATORY PROTECTION

If air is over specified TLV, use NIOSH approved positive-pressure self-contained breathing apparatus in accordance with CFR 1910.134.

VENTILATION

Local exhaust necessary, (mechanical acceptable), using only explosion proof equipment.

PROTECTIVE GLOVES

Use OSHA standard gloves.

EYE PROTECTION

Always wear protective goggles when handling this material.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use gloves, apron, and footwear impervious to this material. Wash clothing prior to reuse.

WORK/HYGIENIC PRACTICES

Always wash hands and skin with soap and water after using this product.

=====
SECTION IX - DISCLAIMER
=====

DISCLAIMER

The information herein is given in good faith, but no warranty, expressed or implied, is made. These recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. Buyer assumes all risks and liabilities in using this product.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Weatherford/Petco No Lead Red
 PRODUCT CODE: 460

HMIS CODES: H F R P
 1 2 0 J

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: INDUSTRIAL COATINGS
 ADDRESS: 5521 Mitchelldale, Houston, Texas 77092
 EMERGENCY PHONE: 713-686-3411 INFORMATION PHONE: 713-686-3411
 DATE REVISED : 11-02-92 NAME OF PREPARER : Larry Hannusch
 REVISION REASON : Update

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER	mm Hg @	TEMP	
1,4-Dinitraniline orange pigment 5	3468-63-1	NA	NA	NA	N/A		< 5.0%
Mineral Spirits	64741-82-1	500 ppm	300 ppm		1.5	68F	40
1 & P Naptha	64742-89-3	NA	300ppm		29.4	68F	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 =====

BOILING RANGE: 192 to 320 Deg F SPECIFIC GRAVITY (H2O=1): 0.9
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
 MATERIAL V.O.C.: 4.01 LB/GL (481 G/L)
 SOLUBILITY IN WATER: negligible
 APPEARANCE AND ODOR: Red liquid with aromatic odor.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 18 Deg F METHOD USED: TCC
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1% UPPER: 8.0%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect firefighters and help cool closed containers. Use full bunker gear when entering confined fire space. Use NIOSH approved positive pressure self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Empty containers may burst in the presence of extreme heat. Isolate containers from open flame, heat, sparks, electrical equipment, and oxidizers. Applying to hot surfaces requires special precautions. Empty containers are considered very hazardous due to the residual fumes present.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID

Avoid contact from extreme heat, open flame, sparks, electrical equipment, and strong oxidizers.

COMPATIBILITY (MATERIALS TO AVOID)

Avoid contact from strong oxidizers such as permanganates and peroxides.

DANGEROUS DECOMPOSITION OR BYPRODUCTS

From burning.

DANGEROUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

RESPIRATORY HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizziness, loss of equilibrium, nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Possible rash, defatting, dermatitis.

Redness, tearing, blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dermatitis, irritation; absorption through the skin increases exposure and may be harmful.

GASTROINTESTINAL HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Dizziness, abdominal irritation, vomiting, diarrhea.

ACUTE HEALTH HAZARDS (ACUTE AND CHRONIC)

Respiratory irritation, headaches, dermal irritation; may be fatal if swallowed.

HC: Vapor harmful, absorption through the skin may be harmful. Vapor and liquid can cause eye irritation.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

Not established. Overexposure may increase cancer risk.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with severe skin, liver, or kidney problems should avoid use.

FIRST AID PROCEDURES

In case of contact with skin, wash thoroughly with soap and water. For eyes, immediately flush with plenty of water for 15 minutes and CALL A PHYSICIAN. Remove and wash contaminated clothing before reuse. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If swallowed, induce vomiting and call a physician immediately.

=====
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Stop spill at source. Dike area and contain. Pump spilled material into approved DOT containers. Remove remainder with absorbent material and also place in approved DOT containers.

WASTE DISPOSAL METHOD

Dispose of waste by legal means complying with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid free fall of material as this can lead to static discharge. Keep containers a safe distance from fire and heat. Empty containers should be considered very hazardous because of the residual vapors.

OTHER PRECAUTIONS

Do not drop containers. Store containers a safe distance from ignition sources.

=====
SECTION VIII - CONTROL MEASURES
=====

RESPIRATORY PROTECTION

If air is over specified TLV, use NIOSH approved positive-pressure self-contained breathing apparatus in accordance with CFR 1910.134.

VENTILATION

Local exhaust necessary, (mechanical acceptable), using only explosion proof equipment.

PROTECTIVE GLOVES

Use OSHA standard gloves.

EYE PROTECTION

Users wear protective goggles when handling this material.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use gloves, apron, and footwear impervious to this material. Wash clothing prior to reuse.

WORK/HYGIENIC PRACTICES

Users wash hands and skin with soap and water after using this product.

=====
SECTION IX - DISCLAIMER
=====

DISCLAIMER

Information herein is given in good faith, but no warranty, expressed or implied, is made. These recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. Buyer assumes all risks and liabilities in using this product.

2W001-2W002

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 (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended
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Glass Fibers (Nuisance Particles (Non Respirable))	10mg/m3	10mg/m3	
Cured Urea Formaldehyde resin	None	Established	

May contain Triaryl Phosphate	None	Established	
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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)

form.)

Unusual Fire and Explosion Hazards:

For Triaryl Phosphate, if present, under fire conditions, toxic acid vapors be formed from Phosphorus Oxide

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): None

Hazardous Decomposition or Byproducts:

Triaryl Phosphate if present. // Fire conditions, Toxic acidic vapors may be formed from phosphorus oxide.

Hazardous Polymerization: Will Not Occur

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



USA and WORLDWIDE

Material Safety Data Sheet

LUBRICANTS WITH LITHIUM ADDITIVE

This Material Safety Data Sheet references the following products:

Philube M
Philube ASM
Philube EP-1 and EP-2

Philube High Temp EP-1 and EP-2
Philube MW
Philube L-0, L-1 and L-2

PHILLIPS 66 COMPANY
A Subsidiary of Phillips Petroleum Company
Bartlesville, Oklahoma 74004

PHONE NUMBERS

Emergency:
Business Hours (918) 661-3865
After Hours (918) 661-8118
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 Number	% By Wt.	OSHA PEL	ACGIH TLV
Complex Hydrocarbon*	NA	90-98.7	NE	NE
Mixture Plus Additives	-	1.3-10	NE	NE
Lithium Compound*	-			

* 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(4). 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.

NA - Not Applicable NE - Not Established

C. 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 exposure conditions warrant. Wash hands after handling. Launder 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:

Not Established.

Acute Effects of Overexposure:

Eye: May produce slight to moderate irritation.

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 inflamed tissue. If left untreated injury can become gangrenous.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	—	—	Toxic	—	—
Suspect Carcinogen	—	—	Corrosive	—	—
Mutagen	—	—	Irritant	—	—
Teratogen	—	—	Target Organ Toxin	X	X
Allergic Sensitizer	—	—	Specify - Eye Hazard-Inflammation;		
Highly Toxic	—	—	Kidney Toxin; Nerve Toxin;		
			Gastrointestinal Toxin;		
			Skin Hazard		

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.

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

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 (H2O = 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): >300F (>149C) (Estimated)
Flammable Limits (% by Volume in Air): LEL - Not Applicable
UEL - Not Applicable

Fire Extinguishing Media: Dry chemical, foam, or carbon dioxide (CO₂). For small 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.

Fire and Explosion Hazards: Oxides of carbon, nitrogen, boron, zinc, sulfur and lithium may be released when burned.

I. Spill, Leak and Disposal Procedures

Precautions 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 Number: 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

Not Applicable

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.

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO U.S. DEPARTMENT OF LABOR FORM OSHA-20

SECTION I

MANUFACTURE'S NAME John Scuggins Co. EMERGENCY TELEPHONE NO. (918) 775-2748
 ADDRESS P. O. Box 13818 Sallisaw OK 74955
 NUMBER STREET CITY STATE ZIP

CHEMICAL NAME AND SYNONYMS Product of Janitor Supply Line
 TRADE NAME AND SYNONYMS Oil Base Floorsweep
 CHEMICAL FAMILY FORMULA sawdust, lube oil

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	%	TLV (UNITS)	ALLOYS & METALLIC COATINGS	%	TLV (UNITS)

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES	%	TLV (UNITS)

SECTION III PHYSICAL DATA

BOILING POINT _____ SPECIFIC GRAVITY (H₂O=1) _____
 VAPOR PRESSURE (mm Hg.) _____ PERCENT, VOLATILE BY VOLUME (%) _____
 VAPOR DENSITY (AIR=1) _____ EVAPORATION RATE (_____ =1) _____
 SOLUBILITY IN WATER _____
 APPEARANCE & ODOR Red Color Blayid Odor

SECTION IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT _____ FLAMMABLE LIMITS _____ LEL _____ VEL _____
 EXTINGUISHING MEDIA _____
 SPECIAL FIRE FIGHTING PROCEDURES Water or fire ex
 UNUSUAL FIRE & EXPLOSION HAZARDS None

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE _____
 AFFECTS OF OVEREXPOSURE _____
 EMERGENCY FIRST AID PROCEDURES No reported cases of any adverse effects due to product

SECTION VI REACTIVITY DATA

STABILITY _____ UNSTABLE _____ STABLE _____ CONDITIONS TO AVOID _____

INCOMPATIBILITY _____

HAZARDOUS DECOMPOSITION PRODUCTS _____

HAZARDOUS POLYMERIZATION _____ MAY OCCUR _____ WILL NOT OCCUR _____ CONDITIONS TO AVOID _____

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Sweep up and dump

WASTE DISPOSAL METHOD City Dump

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) None

VENTILATION _____ LOCAL EXHAUST _____ MECHANICAL _____

PROTECTIVE GLOVES _____ EYE PROTECTION _____

OTHER PROTECTIVE EQUIPMENTS _____

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Do Not Store Near Open Flame

OTHER PRECAUTIONS _____

23045

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME----- Balcones Minerals Corp.

ADDRESS-----P. O. Drawer B
Flatonis, Texas 78941

TELEPHONE 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 Cond

APPEARANCE-----Beige to Light White in Color

ODOR-----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

EFFECTS 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 SPILLS---Simply Sweep Up And St
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

<u>ELEMENTS</u>	<u>APPROX. %</u>
Aluminum	13.00
Barium	Trace
Boron	Trace
Calcium	3.00
Chromium	0.006
Copper	0.006
Iron	1.00
Magesium	2.00
Manganese	0.08
Nickel	Trace
Potassium	2.00
Silicon	28.00
Sodium	2.00
Strontium	Trace
Vanadium	0.05
Titanium	0.10
Zirconium	0.02
OXYGEN	BALANCE

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

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

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Weatherford International
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 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:

03-008

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. yearly Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-8-01
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: _____ DATE: _____

DENIED



Weatherford

Drilling & Intervention Services

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

Weatherford International, Inc.
400 West Illinois, Suite 1500
Midland, Texas 79701
USA

915/683-1604 Main
915/683-2205 Fax

www.weatherford.com

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, 1995
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Agave Energy Company/ Yates Petroleum Corp.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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. <u>Circle One</u> : 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:

03-009

Lubricating oil filters-drained mixed with exempt waste generated through oil & gas compressor stations.

Enclosed is certificate of waste status and letter (see attached)

Estimated Volume Unknown cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 3-7-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

DENIED

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

**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

COUNTY _____ STATE 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 261.3.

AGENT

Rusty Nasta
SIGNATURE

NAME Rusty Nasta

PRINTED

ADDRESS 105 S. 4th Street

Artesia, NM 88210

DATE _____

This process valid for the year 2001.

AGAVE ENERGY COMPANY

105 South Fourth Street

Artesia, New Mexico 88210

(505) 748-4555

Fax (505) 748-4576

Controlled Recovery, Inc.
Attn: Ken Marsh
P. O. Box 388
Hobbs, NM
88241

February 19, 2001

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

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

COUNTY _____ STATE NM

TYPE OF WASTE Lubricating oil fileers-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 261.3.

AGENT *Rusty Nasta*
SIGNATURE

NAME Rusty Nasta
PRINTED

ADDRESS 105 S. 4th Street

Artesia, NM 88210

DATE _____

This process valid for the year 2001.

AGAVE ENERGY COMPANY

105 South Fourth Street

Artesia, New Mexico 88210

(505) 748-4555

Fax (505) 748-4576

Controlled Recovery, Inc.
Attn: Ken Marsh
P. O. Box 388
Hobbs, NM
88241

February 19, 2001

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We will be transporting these compressor engine lubricating oil filters mixed with exempt filters from our other compressor facility operations.

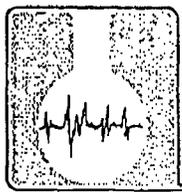
If you have any questions regarding this request, please contact me at (505) 748-4555, or contact the Yates Petroleum Corporation, Environmental Coordinator for New Mexico, David Haggith at (505) 748-4223.

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



**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) 662-2555

Explanation of codes	
B	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

AGAVE ENERGY CO.
attn: RUSTY NASTA
105 S. 4TH
ARTESIA, NM 88210

Assagai Analytical Laboratories, Inc.
Certificate of Analysis

Client: AGAVE ENERGY CO.
Project: 9907012 FILTER SAMPLES

William P. Biava
William P. Biava, President of Assagai Analytical Laboratories, Inc.

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Run Code	Run Date
Client Sample ID: ENGINE OIL FILTER -ROSWELL Sample Matrix: SOLID Sample Collected:									
9907012-01A		SW846 1010							
SFL997	MT.1999.1585-2		Flashpoint	> 60	Deg C	1	20		07/06/99
9907012-01A		SW846 5030A/8021	Purgeable VOCs by GC/PID-ELCD						
X99211	XG.1999.543-2	71-43-2	Benzene	ND	mg / Kg	50	0.005		07/09/99
9907012-01B		SW846 1311/3010A/6010A	ICP TCLP						
M99809	MW.1999.823-51	7440-38-2	Arsenic	0.9	mg / L	1	0.1		07/16/99
M99795	MW.1999.819-36	7440-39-3	Barium	ND	mg / L	1	0.1		07/14/99
M99795	MW.1999.819-36	7440-43-9	Cadmium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-36	7440-47-3	Chromium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-36	7439-92-1	Lead	0.06	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-36	7782-49-2	Selenium	ND	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-36	7440-22-4	Silver	ND	mg / L	1	0.04		07/14/99
9907012-01B		SW846 1311/7470	CVAA TCLP						
M99796	MT.1999.1633-4	7439-97-6	Mercury	ND	mg / L	1	0.0002		07/15/99

CRF

Post-it® Fax Note 7671 Date **3-30-01** # of pages **5**

To CARMEITA	From RUSTY NASTA
Co./Dept.	Co. AGAVE
Phone #	Phone # 505 626 7971
Fax # 505 393 3615	Fax # 457-2146



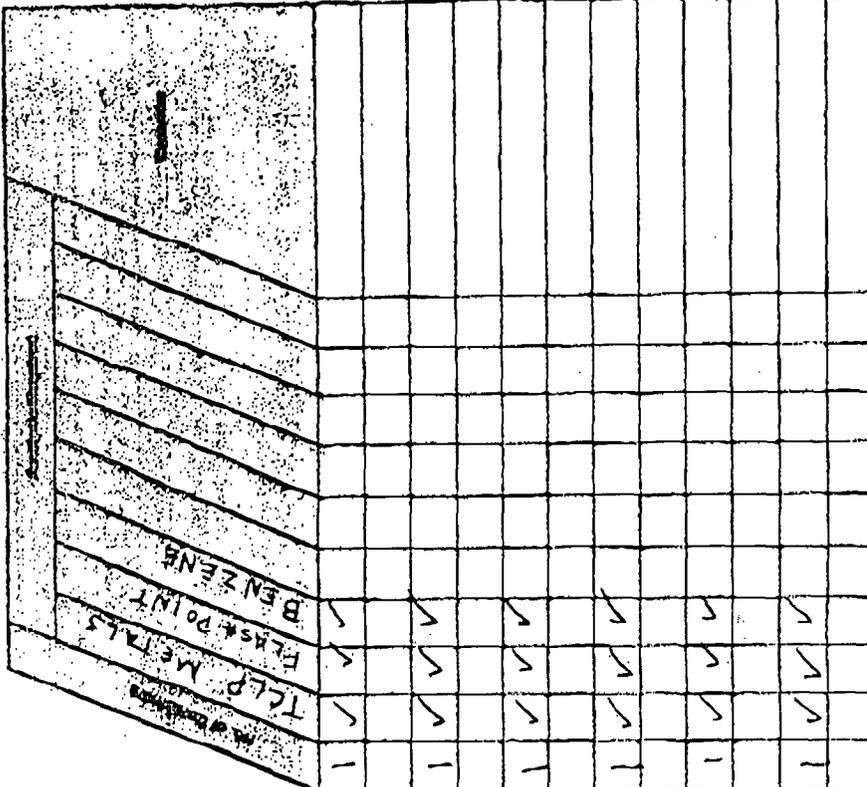
7300 JEFFERSON, N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8864
3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 930-6000

Chain of Custody Record

ASSAIGAI *AGAD*
ANALYTICAL
LABORATORIES, INC.

Lab Job No.: 7012 Date: _____
Page: 1 of 1
Project Manager / Contact: RUSTY NASTA
Telephone No.: 505-748-4528
Fax No.: 505-748-4576
Samplers: (Signature) [Signature]

AGAVE ENERGY Co.
105 S 4th
Alb / Zp ARTESIA, NM 88210
Name / Number FILTER SAMPLES
(Purchase Order / Quots) 052699wpb



Sample ID	Description	Quantity	Container	Disposition
1	ENGINE OIL FILTER - ROSWELL	SOLID	✓	✓
1	AIR GAS FUEL FILTER - ROSWELL	SOLID	✓	✓
1	AIR DE-HY FILTER - ROSWELL	SOLID	✓	✓
1	AIR PLANT INLET GAS FILTER - AGAVE PLANT - ARTESIA	SOLID	✓	✓
1	ENGINE OIL FILTER - DRUGGER DRAW GAS SYSTEM	SOLID	✓	✓
1	AIR GAS PLANT AMINE FILTER	SOLID	✓	✓

Received by: _____ Date: 6/30/99
 Signature: [Signature] Time: 4:00 P.M.
 Printed: _____
 Company: AGAVE ENERGY
 Reason: HIPPING

Received by: _____ Date: 7/1/99
 Signature: [Signature] Time: 7:00
 Printed: _____
 Company: _____
 Reason: _____

After analysis, samples are to be:
 Disposed of (additional fee)
 Stored (30 days max)
 Stored over 30 days (additional fee)
 Returned to customer

Comments: _____
 Agreement: FED-EX
810392781027
 Actions: _____

LABORATORY

Assaigal Analytical Laboratories, Inc.

Certificate of Analysis

Client: **AGAVE ENERGY CO.**

Project: **9907012 FILTER SAMPLES**

Client Sample ID	GAS PLANT AMINE FILTER	Sample Matrix	SOLID	Sample Collected
------------------	-------------------------------	---------------	--------------	------------------

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
9907012-06A									
		SW846 1010							
SFL997	MT.1999.1583-5		Flashpoint	> 60	Deg C	1	20		07/07/99
9907012-06A									
		SW846 5030A/8021 Purgeable VOCs by GC/PID-ELCD							
X99211	XG.1999.543-7	71-43-2	Benzene	0.83	mg / Kg	50	0.005		07/09/99
9907012-06B									
		SW846 1311/3010A/6010A ICP TCLP							
M99809	MW.1999.823-58	7440-38-2	Arsenic	ND	mg / L	1	0.1		07/16/99
M99795	MW.1999.819-43	7440-39-3	Barium	0.1	mg / L	1	0.1		07/14/99
M99795	MW.1999.819-43	7440-43-8	Cadmium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-43	7440-47-3	Chromium	ND	mg / L	1	0.02		07/14/99
M99809	MW.1999.823-58	7439-92-1	Lead	0.09	mg / L	1	0.05		07/16/99
M99795	MW.1999.819-43	7782-49-2	Selenium	ND	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-43	7440-22-4	Silver	ND	mg / L	1	0.04		07/14/99
9907012-06B									
		SW846 1311/7470 CVAA TCLP							
M99795	MT.1999.1633-11	7439-97-6	Mercury	ND	mg / L	1	0.0002		07/15/99

*** Sample 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. ***

Assagai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **AGAVE ENERGY CO.**

Project: **9907012 FILTER SAMPLES**

Client Sample ID		PLANT INLET GAS FILTER				Sample Matrix	SOLID		Sample Collected
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Run Code Date	
9907012-04A		SW846 1010							
SFL997	MT.1999.1663-3		Flashpoint	> 60	Deg C	1	20	07/07/99	
9907012-04A		SW846 5030A/8021 Purgeable VOCs by GC/PID-ELCD							
X99211	XG.1999.557-1	71-43-2	Benzene	5.6	mg / Kg	91	0.005	07/09/99	
9907012-04B		SW846 1311/3010A/6010A ICP TCLP							
M99809	MW.1999.823-58	7440-38-2	Arsenic	ND	mg / L	1	0.1	07/16/99	
M99795	MW.1999.819-41	7440-39-3	Barium	ND	mg / L	1	0.1	07/14/99	
M99795	MW.1999.819-41	7440-43-9	Cadmium	ND	mg / L	1	0.02	07/14/99	
M99795	MW.1999.819-41	7440-47-3	Chromium	ND	mg / L	1	0.02	07/14/99	
M99795	MW.1999.819-41	7439-92-1	Lead	ND	mg / L	1	0.05	07/14/99	
M99795	MW.1999.819-41	7782-49-2	Selenium	ND	mg / L	1	0.05	07/14/99	
M99795	MW.1999.819-41	7440-22-4	Silver	ND	mg / L	1	0.04	07/14/99	
9907012-04B		SW846 1311/7470 CVAA TCLP							
M99796	MT.1999.1633-9	7439-97-6	Mercury	ND	mg / L	1	0.0002	07/15/99	

Client Sample ID		ENGINE OIL FILTER				Sample Matrix	SOLID		Sample Collected
QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Run Code Date	
9907012-05A		SW846 1010							
SFL997	MT.1999.1563-1		Flashpoint	> 60	Deg C	1	20	07/07/99	
9907012-05A		SW846 5030A/8021 Purgeable VOCs by GC/PID-ELCD							
X99211	XG.1999.543-8	71-43-2	Benzene	ND	mg / Kg	30	0.005	07/09/99	
9907012-05B		SW846 1311/3010A/6010A ICP TCLP							
M99809	MW.1999.823-57	7440-38-2	Arsenic	ND	mg / L	1	0.1	07/16/99	
M99795	MW.1999.819-42	7440-39-3	Barium	0.2	mg / L	1	0.1	07/14/99	
M99795	MW.1999.819-42	7440-43-9	Cadmium	ND	mg / L	1	0.02	07/14/99	
M99795	MW.1999.819-42	7440-47-3	Chromium	ND	mg / L	1	0.02	07/14/99	
M99795	MW.1999.819-42	7439-92-1	Lead	ND	mg / L	1	0.05	07/14/99	
M99795	MW.1999.819-42	7782-49-2	Selenium	ND	mg / L	1	0.05	07/14/99	
M99795	MW.1999.819-42	7440-22-4	Silver	ND	mg / L	1	0.04	07/14/99	
9907012-05B		SW846 1311/7470 CVAA TCLP							
M99796	MT.1999.1633-10	7439-97-6	Mercury	ND	mg / L	1	0.0002	07/15/99	

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

Client: AGAVE ENERGY CO.

Project: 9907012 FILTER SAMPLES

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
Client Sample ID: GAS FUEL FILTER-ROSWELL Sample Matrix: SOLID Sample Collected:									
9907012-02A		SW846 1010							
SFL997	MT.1999.1565-3		Flashpoint	23	Deg C	1	20		07/06/99
9907012-02A		SW846 6030A/8021	Purgeable VOCs by GC/PID-ELCD						
X99211	XG.1999.543-3	71-43-2	Benzene	0.68	mg / Kg	83	0.005		07/09/99
9907012-02B		SW846 1311/3010A/6010A	ICP TCLP						
M99809	MW.1999.823-54	7440-38-2	Arsenic	2.6	mg / L	1	0.1		07/16/99
M99795	MW.1999.819-37	7440-39-3	Barium	0.5	mg / L	1	0.1		07/14/99
M99795	MW.1999.819-37	7440-43-9	Cadmium	0.207	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-37	7440-47-3	Chromium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-37	7439-92-1	Lead	0.22	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-37	7782-49-2	Selenium	ND	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-37	7440-22-4	Silver	ND	mg / L	1	0.04		07/14/99
9907012-02B		SW846 1311/7470	CVAA TCLP						
M99796	MT.1999.1633-7	7439-97-6	Mercury	0.0045	mg / L	1	0.0002		07/15/99

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Run Date
Client Sample ID: DE-HY FILTER ROSWELL Sample Matrix: SOLID Sample Collected:									
9907012-03A		SW846 1010							
SFL997	MT.1999.1565-5		Flashpoint	> 60	Deg C	1	20		07/06/99
9907012-03A		SW846 6030A/8021	Purgeable VOCs by GC/PID-ELCD						
X99211	XG.1999.543-4	71-43-2	Benzene	ND	mg / Kg	33	0.005		07/09/99
9907012-03B		SW846 1311/3010A/6010A	ICP TCLP						
M99809	MW.1999.823-55	7440-38-2	Arsenic	ND	mg / L	1	0.1		07/16/99
M99795	MW.1999.819-38	7440-39-3	Barium	ND	mg / L	1	0.1		07/14/99
M99795	MW.1999.819-38	7440-43-9	Cadmium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-38	7440-47-3	Chromium	ND	mg / L	1	0.02		07/14/99
M99795	MW.1999.819-38	7439-92-1	Lead	ND	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-38	7782-49-2	Selenium	ND	mg / L	1	0.05		07/14/99
M99795	MW.1999.819-38	7440-22-4	Silver	ND	mg / L	1	0.04		07/14/99
9907012-03B		SW846 1311/7470	CVAA TCLP						
M99796	MT.1999.1633-8	7439-97-6	Mercury	ND	mg / L	1	0.0002		07/15/99



NEW MEXICO ENERGY, MINERALS 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

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

APR 30 2001

Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Hobbs Rental Corp.
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site P.O. Box 905 Hobbs, NM 88240
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Hobbs Rental Corp.
7. Location of Material (Street Address or ULSTR) Various Oilfield Locations	8. State 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:

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) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 4-23-01
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: Monty J. [Signature] TITLE: Environmental Geologist DATE: 5-10-01

**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

ESTIMATED 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 as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT Robert Brown
SIGNATURE

NAME Robert Brown
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

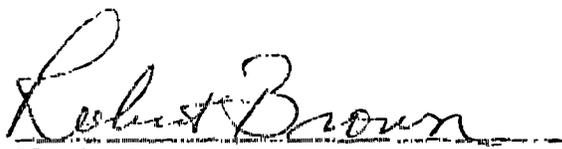
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
OIL CONSERVATION DIV.
APR 16 PM 3:13

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 certification of waste from the Generator, one certificate per job. <input checked="" type="radio"/> 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:

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.

Estimated Volume 400 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 4-12-01
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: Monty J. Kirk TITLE: Environmental Geologist DATE: 4-16-01

**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 _____

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 *Perry Britton*
SIGNATURE

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-13
Revised March 17, 198

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

Submit Origin:
Plus 1 Cop
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator BJ Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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 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:

02-007

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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 2-21-01
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: Christy J. Kelly TITLE: Environmental Geologist DATE: 2-23-01

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

State of New Mexico
Energy Minerals and Natural Resources RECEIVED

Form C-138
Revised March 17, 1995

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

APR 25 2001

Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Star Tool Co. 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., Hobbs	New Mexico
9. <u>Circle One</u> : 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:

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 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 operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 4-17-01
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: Theresa J. Kelly TITLE: Environmental Analyst DATE: 5-1-01

**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 261.3.

AGENT O.J. Molina
SIGNATURE

NAME Oscar J. Molina
PRINTED

ADDRESS P.O. Box 2008

Hobbs, NM 88240

DATE 4-16-01

District I - (505) 393-6161
 P. 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

Form C-1
 Originated 8/1
 Submit Original
 Plus 1 Copy
 to appropriate
 District Office

RECEIVED
 SEP 22 2000
 Environmental Bureau
 Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Star Tool Co. 1000 NW County Rd.
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 1000 NW County Rd., Hobbs	8. State New Mexico
9. <u>Circle One</u> : 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:

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 operator at the end of the haul) _____ cy

SIGNATURE: Carmella Van Maanen TITLE: Bookkeeper DATE: 09-14-00
Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO. (505) 393-1079

(This space for State Use)
 APPROVED BY: Donna Williams TITLE: Environmental Engineer Specialist DATE: 9-14-00
 APPROVED BY: Markus Phil TITLE: Environmental Coordinator DATE: 9-22-00

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,

A handwritten signature in cursive script, appearing to read "H. Don Rodgers", written in dark ink.

H. Don Rodgers



6701 Aberdeen Avenue, Suite G El Paso, Texas 79922 800-371-1296 808-754-1296 FAX 906-794-1291
 4725 Ripley Avenue, Suite A El Paso, Texas 79922 821-588-3443 915-585-3443 FAX 915-585-4944
 E-Mail: lab@traceanalysis.com

**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 Date: 8/12/99
 Sampling Date: 8/4/99
 Sample Condition: Intact & Cool
 Sample Received by: NG
 Project Name: Yearly Analysis

TCLP VOLATILES (mg/L)	EPA LIMIT	Reporting Limit	Solids -BOP Sump		QC	RPD	%EA	%IA
			T120328 Conc.					
Vinyl 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	ND		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	ND		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-Dichlorobenzene	7.50	0.05	ND		84	6	101	84

SURROGATES	% Recovery
Dibromofluoromethane	112
Toluene-d8	99
4-Bromofluorobenzene	97

ND = Not Detected

METHODS: EPA SW 846-1311, 8260B.
 CHEMIST: JG



 Director, Dr. Blair Leftwich

F-15-99

 DATE



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 HJO-378-1298 806-794-1296 FAX 806-731-1298
 4725 Ringley Avenue, Suite A El Paso, Texas 79977 888-588-3443 - 915-585-3443 FAX 915-585-4944
 E-Mail: lab@traceanalysis.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: 08/10/99
 Sampling Date: 08/04/99
 Sample Condition: I & C
 Sample Received by: VW

TCLP Semi-Volatiles (mg/L)	EPA Limit	Reporting Limit	T129329 Solids BOP Sump	QC	RPD	%EA	%IA
Pyridine	5.0	0.05	ND	63	8	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
Hexachloroethane	3.0	0.05	ND	59	13	72	99
Nitrobenzene	2.0	0.05	ND	67	6	82	95
Hexachlorobutadiene	0.5	0.05	ND	52	11	69	86
2,4,6-Trichlorophenol	2.0	0.05	ND	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	ND	61	8	79	102
Hexachlorobenzene	0.13	0.05	ND	54	8	101	89
2,4,5-TP	1.0	0.05	ND	56	4	91	93
Pentachlorophenol	100.0	0.05	ND	68	1	99	96

Surrogates	% 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

8-19-99
 Date



TRACEANALYSIS, INC.

5731 Aberdeen Avenue, Suite 5
 4725 Ripley Avenue, Suite A
 Lubbock, Texas 79434
 El Paso, Texas 79922
 E-Mail: lab@tracanalysis.com

830-378-1255
 803-754-1236
 588-585-3443
 875-525-3443
 FAX 806-794-1728
 FAX 915-585-4544

August 19, 1999
 Receiving Date: 08/04/99
 Sample Type: Sludge
 Project No: N/A
 Project Location: N/A

ANALYTICAL RESULTS FOR
 STAR TOOLS
 Attention: Don Rogers
 P. O. Box 2008
 Hobbs, NM 88241

Sampling Date: 08/04/99
 Sample Condition: I & C
 Sample Received by: VW
 Project Name: Yearly Analysis

TCLP METALS

TA#	FIELD CODE	As (mg/L)	Sa (mg/L)	Cd (mg/L)	Cr (mg/L)	Pb (mg/L)	Ag (mg/L)	Ba (mg/L)	Hg (mg/L)
T129329	Solids-BOP Sump	5.0	1.0	1.0	5.0	5.0	5.0	100.0	0.20
ICV		<0.10	<0.10	<0.02	<0.05	<0.10	<0.05	0.22	<0.010
CCV		1.02	1.03	1.03	1.02	1.01	0.19B	1.02	0.00487
		1.01	1.02	1.00	1.01	0.99	0.195	1.00	0.00498
REPORTING LIMIT		0.10	0.10	0.02	0.05	0.10	0.05	0.10	0.010
RPD		1	2	2	1	2	0	2	3
% Extraction Accuracy		104	104	101	101	98	100	98	98
% Instrument Accuracy		101	102	102	101	100	98	101	98
PREP DATE		08/05/99	08/05/99	08/05/99	08/05/99	08/05/99	08/05/99	08/05/99	08/05/99
ANALYSIS DATE		08/11/99	08/11/99	08/11/99	08/11/99	08/11/99	08/11/99	08/11/99	08/11/99

METHODS: EPA SW 846-1311, 6010B, 7470A
 CHEMIST: As, Sa, Cd, Cr, Pb, Ag, Ba, RR Hg: BP
 TCLP METALS SPIKE: 10 mg/L As, Se Cd, Cr, Pb, Ba:
 TCLP METALS CV: 1.0 mg/L As, Se, Cd, Cr, Pb, Ba:
 2.5 mg/L Ag Hg SPIKE: 0.050
 0.20 mg/L Ag Hg CV: 0.0050

[Signature]
 Director, Dr. Blair Leftwich

8-15-99
 Data



6701 Alvarado Avenue, Suite 5 Lubbock, Texas 79424 800-378-1236 803-794-1236 FAX 803-754-1238
4725 Ripley Avenue, Suite A El Paso, Texas 79902 805-889-3443 9-5-635-3443 FAX 915-585-4344
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR

STAR TOOL

August 18, 1999
Receiving Date: 8/4/99
Sample Type: Sludge
Project No: N/A
Project Location: N/A

Attention: Don Rodgers
P.O. Box 2008
Hobbs, NM 88240

Extraction Date: 8/12/99
Analysis Date: 8/12/99
Sampling Date: 8/4/99
Sample Condition: Intact & Cool
Sample Received by: NG
Project Name: Yearly Analysis

TA#	Field Code	REACTIVITY	SULFIDES (ppm)	CYANIDES (ppm)	CORROSIVITY (mm/yr)	pH (s.u.)	IGNITABILITY
T129329	EPA LIMIT = Solids-BOP Sump	---	500	250	>6.5 mm/yr.	<2 >12.5	---
	Quality Control	Non-reactive	<10	<2.5	Non-corrosive	8.06	Nonignitable
QC		---	---	---	---	---	---
*Corrected field conc							
RPD		0	0	0	0	0	0
% Extraction Accuracy		---	---	---	---	---	---
% Instrument Accuracy		100	100	100	100	100	100

METHODS: EPA SW 846-Chapter 7 7.3, Chapter 7 7.2, Chapter 7 7.1.
CHEMIST: JM

8-19-99

DATE

Director, Dr. Blair Leftwich

6701 Shortken Avenue, Ste. 9
 Lubbock, Texas 79424
 Tel (800) 794-236
 Fax (800) 794-1298
 1 (800) 376-1286

TraceAnalysis, Inc.

4725 Raley Dr, Ste A
 P.O. Box 2988 79322-1022
 Lubbock, TX 79402
 Tel (806) 585-3442
 Fax (806) 585-4944
 1 (888) 585-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order # 99D80501

Company Name: STAR TOOL Phone # (505) 397-4988
 Address: P.O. Box 2008, Hobbs, N.M. 87401 Fax # 505-397-3675
 Project Name: Yearly Analysis
 Sampler Signature: _____

Project Location: _____
 Project Name: Yearly Analysis
 Sampler Signature: _____

Sent By: TRACEANALYSIS;

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD				DATE	TIME		
				WATER	SOIL	AIR	SLUDGE	SOLIDS	HCL	HNO3	ICE	NONE				
19329	Solids - BOP Swamp	1									X	X			8-4-99	
19330	Recycled Water	2		X							X	X			8-4-99	

Requested by: RSC Rodgers 8/4 4:05p
 Date: _____ Time: _____
 Order: _____ Time: _____

Received by: _____ Date: _____ Time: _____
 Received at Laboratory by: Allen Green 8-4-99 4:05pm
 Date: _____ Time: _____

LAB USE ONLY
 Method: Y/N
 Headspace: Y/N
 Temp: 4
 Log-In Review: [Signature]
 Remarks: 8/1/99

ANALYSIS REQUEST
 (Circle or Specify Method No.)
 MTBE 8021B/802
 BTEX 8021B/802
 TPH 418.1/TX1005
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/200.7
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 TCLP Pesticides
 PCB 8002/808
 Multicides 8081A/808
 BOD, TSS, pH
 Turn Around Time if different from standard
 Hold

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
MAY 23 2001
Environmental Bureau
Oil Conservation Division
Form C-138
Revised March 17, 1995
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Halliburton Services
2. Management Facility Destination Controlled Recovery, Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) See Attached	8. State Nw 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:

05-002

This material was generated by a vehicle spill, 172 gallons mixed with approximately yards of sandy soil.

I am enclosing a certificated of waste status, msds sheets, analytical date, and chain of custody.

Estimated Volume "see above" cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 5-17-01
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: Monty J. Kelly TITLE: Environmental Geologist 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.

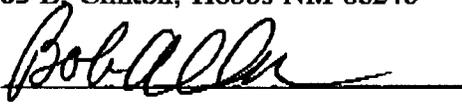
As a condition of acceptance for disposal, I hereby certify that this waste is non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature 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: 

Date: April 27, 2001



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
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 88240
FAX TO: (505) 383-4388

Receiving Date: 04/27/01
Reporting Date: 05/07/01
Project Number: NOT GIVEN
Project Name: A.G.U HALLIBURTON
Project Location: A.G.U.HALLIBURTON SPILL

Analysis Date: 05/04/01
Sampling Date: 04/27/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	IGNITABILITY (°F)
H5832-1	BOTTOM HOLE COMP.	Nonflammable
Quality Control		NR
True Value QC		NR
% Accuracy		NR
Relative Percent Difference		NR

METHOD: SW 848-1030 (proposed)

Barry J. P. Roche

Chemist

5/7/01

Date

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

PHONE (505) 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

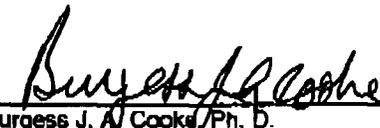
Sampling Date: 04/27/01
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	pH* (s.u.)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
------------	-----------	----------------	---------------	--------------------	--------------------	-----------------------------	-----------------------------

ANALYSIS DATE:	04/27/01	04/30/01	04/27/01	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.						
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	106	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. Cooke, Ph. D.

4/30/01
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether 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 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 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.

ZONESEALANT 2000 - HAL-TANK

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MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 04-27-01
REVISED DATE 11-16-99

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

SECTION I - PRODUCT DESCRIPTION

CHEMICAL CODE: ZONESEALANT 2000 - HAL-TANK PART NUMBER: 516012950
PKG QTY: 330 GALLON TANK APPLICATION: FOAM STABILIZIER
SERVICE USED: CEMENTING

SECTION II - COMPONENT INFORMATION

Table with 4 columns: COMPONENT, PERCENT, TLV, PEL. Rows include ISOPROPANOL, FORMALDEHYDE, and DICHLOROACETIC ACID.

SECTION III - PHYSICAL DATA

Table with 2 columns: PROPERTY, MEASUREMENT. Rows include APPEARANCE, ODOR, SPECIFIC GRAVITY, BULK DENSITY, PH, SOLUBILITY IN WATER AT 20 DEG C, BIODEGRADABILITY, PERCENT VOLATILES, EVAPORATION RATE, VAPOR DENSITY, VAPOR PRESSURE, BOILING POINT, POUR POINT, FREEZE POINT, SOLUBILITY IN SEAWATER, PARTITION COEF.

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
AUTOIGNITION TEMPERATURE ND F / ND C
FLAMMABLE LIMITS (% BY VOLUME) LOWER N/D/ UPPER N/D

EXTINGUISHING MEDIA: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.
SPECIAL FIRE FIGHTING PROCEDURES: USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOILOVER.

PN: 516012950

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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.

GENOTOXICITY DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED
HALLIBURTON SAP PART NUMBER: 101207218

PRODUCT TLV: NOT ESTABLISHED

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

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 CARCINOGEN.

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

ATTENTION.
NOTE TO PHYSICIANS: NONE APPLICABLE

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

STABILITY: STABLE
CONDITIONS TO AVOID:
AVOID EXCESSIVE HEAT.
INCOMPATIBILITY (MATERIALS TO AVOID):
NONE KNOWN.
HAZARDOUS DECOMPOSITION PRODUCTS:

PN: 516012950

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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.

VENTILATION:
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.
OTHER PROTECTIVE EQUIPMENT:
NEOPRENE APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * *

PRECAUTIONARY 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.

OTHER HANDLING AND STORAGE CONDITIONS:
STORE AWAY FROM OXIDIZERS.
KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
LAUNDRY 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 4

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

2. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

1. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)

COMPONENT NAME	CAS-REG-NO	PCT
ISOPROPANOL	67-63-0	1-10 %
FORMALDEHYDE	50-00-0	< .05 %

3. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES	CEPA NO	EEC NO	ACQIN NO	NPR NE	DRSM NE

1. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

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

IGNITABILITY

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

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

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 AREA AND DENY ENTRY.
STAY UPWIND; KEEP OUT OF LOW AREAS.
POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING WILL PROVIDE LIMITED PROTECTION.
ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN FIRE.

FIRE

SMALL FIRES: DRY CHEMICAL, CO2, WATER SPRAY OR REGULAR FOAM.
LARGE FIRES: WATER SPARY, FOG OR REGULAR FOAM.
MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.
APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS.
FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.
WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

SPILL OR LEAK

SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN HAZARD AREA.
STOP LEAK IF YOU CAN DO IT WITHOUT RISK.
WATER SPRAY MAY REDUCE VAPOR; BUT IT MAY NOT PREVENT IGNITION IN CLOSED SPACES.
SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL.

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

FIRST AID

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

HAZARD GUIDE: 27 FOR PN# 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
MAY 23 2001
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1995

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Conoco, Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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., Maljamar	New Mexico
9. <u>Circle One</u> : 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:

05-001

Sump Water

Enclosed is the analytical, certificate of waste status, process of knowledge letter, and copy of last C-138. This waste has been approved in the past.

Estimated Volume 400 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 5-14-01
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: Martin J. Kelly TITLE: Environmental Geologist DATE: 5/23/01

**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 261.3.

AGENT Mark Bishop
SIGNATURE

NAME Mark Bishop
PRINTED

ADDRESS P.O. Box 90

Maljamar, NM

DATE _____

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Artesia, 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 Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CONOCO, INC.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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, MALJAMAR	NEW MEXICO
9. <u>Circle One</u> :	
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:

02-002
SUMP WATER

ENCLOSED IS THE ANALYTICAL, CERTIFICATE OF WASTE STATUS, PROCESS KNOWLEDGE LETTER, AND COPY OF LAST C-138. THIS WASTE HAS BEEN APPROVED IN THE PAST.

Eng.

Estimated Volume 300 BBLs. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: BOOKKEEPER DATE: 2-6-01
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: CARMELLA VAN MAANEN TELEPHONE NO. (505) 393-1079

(This space for State Use)

APPROVED BY: Resended Marge Kelly TITLE: _____ DATE: _____

DENIED

APPROVED BY: J. Montoya J. Kief TITLE: Environmental Geologist 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



HOUSTON LABORATORY
 6880 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 680-0901

Case Narrative for:
Conoco Inc.

Certificate of Analysis Number:
00060378

<p>Report To:</p> <p>Conoco Inc. Rudy Quiñez P.O. Box 90 1001 Conoco Rd Maljamar NM 88264- ph: (505) 676-3603 fax: (505) 676-3533</p>	<p>Project Name: Clark Sump</p> <p>Site: Maljamar Gas Plant</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: New Mexico</p> <p>State Cert. No.:</p> <p>Date Reported: 6/21/00</p>
--	--

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: 00060378-01) 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.

Sonia West
 West, Sonia
 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: Conoco Inc.
 Rudy Quínez
 P.O. Box 90
 1001 Conoco Rd
 Maljamar
 NM
 88264-
 ph: (505) 676-3503 fax: (505) 676-3533

Fax To: Conoco Inc.
 Rudy Quínez 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

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	<input checked="" type="checkbox"/>

Sonia West
 West, Sonia
 Senior Project Manager

6/21/00

Date

Joel Grice
 Laboratory Director

Ted Yen
 Quality Assurance Officer

6/21/00 12:03:48 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: 00060378-01

Site: Maljamar Gas Plant

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
CORROSIVITY			MCL	SW9045C	Units: pH Units		
Corrosivity	7.9	0	1		06/15/00 16:45	C_V	309925
IGNITABILITY			MCL	SW1010	Units: °F		
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 #: HGL_000616A-309843

Prep Method	Prep Date	Prep Initials
SW7471A	06/15/2000 14:30	PB

METALS BY METHOD 6010B, TOTAL			MCL	SW8010B	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 #: TJA_000615A-310155

Prep Method	Prep Date	Prep Initials
SW3050B	06/15/2000 13:00	MR

Run ID/Seq #: TJAT_000616A-310555

Prep Method	Prep Date	Prep Initials
SW3050B	06/15/2000 13:00	MR

PURGEABLE AROMATICS			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-Difluorobenzene	115	% 59-127	10		06/16/00 13:46	CJ	310598
Surr: 4-Bromofluorobenzene	165	% 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	1		06/16/00 8:00	ES	310493

REACTIVE SULFIDE - SOLID			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 >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte detected in the associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated Value between MDL and PQL

6/21/00 12:03:51 PM

81/4 P. 1691 No. 0391

505676353 Jul. 6. 2000 10:15AM



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: 00060378-01

Site: Maljamar Gas Plant

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
TPH TEXAS 1005			MCL	JX_EPH	Units: mg/Kg		
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 #: HP_B_000615B-310210

Prep Method	Prep Date	Prep Initials
JX_EPH	06/15/2000 10:00	CB

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 12:03:52 PM

Quality Control Documentation



Quality Control Report

Conoco Inc.
Clark Sump

Analysis: TPH Texas 1005
Method: TX_EPH

WorkOrder: 00060378
Lab Batch ID: 5420

Method Blank

Samples in Analytical Batch:

RunID: HP_B_000615B-310100 Units: mg/Kg
Analysis Date: 06/15/2000 11:38 Analyst: AM
Preparation Date: 06/15/2000 10:00 Prep By: CB Method TX_EPH

Lab Sample ID: 00060378-01B
Client Sample ID: Clark Sump

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

Laboratory Control Sample (LCS)

RunID: HP_B_000615B-310205 Units: mg/Kg
Analysis Date: 06/15/2000 14:30 Analyst: AM
Preparation Date: 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_000615B-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 Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
> 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



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

Quality Control Report

Conoco Inc.
 Clark Sump

Analysis: Purgeable Aromatics
 Method: SW8021B

WorkOrder: 00060378
 Lab Batch ID: R15794

Method Blank

Samples in Analytical Batch:

RunID: HP_J_000616A-310587 Units: ug/Kg
 Analysis Date: 06/16/2000 6:35 Analyst: CJ

Lab Sample ID: 00060378-01A
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes, Total	ND	1.0
Surr: 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	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_000616A-310585 Units: ug/Kg
 Analysis Date: 06/16/2000 5:38 Analyst: CJ

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High 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: NDU - 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



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: 06/15/2000 13:00 Prep By: MR Method SW3050B

Analyte	Result	Rep Limit
Barium	ND	0.5
Cadmium	ND	0.5
Chromium	ND	1
Silver	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_000615A-310152 Units: mg/Kg
 Analysis Date: 06/15/2000 16:55 Analyst: E_B
 Preparation Date: 06/15/2000 13:00 Prep By: MR Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper 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 % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	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	0.587	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



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_000616A-310553 Units: mg/L
 Analysis Date: 06/16/2000 13:00 Analyst: EG
 Preparation Date: 06/15/2000 13:00 Prep By: MR Method SW3050B

Lab Sample ID: 00060378-01B
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Arsenic	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5

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	Spike 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: 06/16/2000 13:21 Analyst: EG
 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 % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	200	176	87.8	200	178	88.6	0.840	20	75	125
Lead	5.1	100	95.8	90.7	100	96.5	91.4	0.767	20	75	125
Selenium	ND	200	160	80.1	200	162	80.9	0.929	20	75	125

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 12:03:56 PM



Quality Control Report

Conoco Inc.
Clark Sump

Analysis: Mercury, Total
Method: SW7471A

WorkOrder: 00060378
Lab Batch ID: 5429

Method Blank

Samples in Analytical Batch:

RunID: HGL_000616A-309834 Units: mg/Kg
Analysis Date: 06/16/2000 8:07 Analyst: PB
Preparation Date: 06/15/2000 14:30 Prep By: PB Method SW7471A

Lab Sample ID: 00060378-01B
Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Mercury	ND	0.033

Laboratory Control Sample (LCS)

RunID: HGL_000616A-309835 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	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 Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.074	0.33	0.422	105	0.33	0.42	105	0.317	20	75	125

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



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

Quality Control Report

Conoco Inc.
 Clark Sump

Analysis: Ignitability
 Method: SW1010

WorkOrder: 00080378
 Lab Batch ID: R

Samples in Analytical Batch:

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
00060378-01B	Clark Sump

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



HOUSTON LABORATORY
 8580 INTERCHANGE DRIVE
 HOUSTON, TEXAS 77054
 (713) 660-0901

Quality Control Report

Conoco Inc.
 Clark Sump

Analysis: Corrosivity
 Method: SW9045C

WorkOrder: 00060378
 Lab Batch ID: R15763

Samples In Analytical Batch:

Lab Sample ID	Client Sample ID
00060378-01B	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
 RunID: WET_000615E-309922 Units: pH Units
 Analysis Date: 06/15/2000 16:45 Analyst: C_V

Analyte	Sample Result	DUP Result	RPD	RPD Limit
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
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Quality Control Report

Conoco Inc.

Clark Sump

Analysis: Reactive Cyanide-Solid
 Method: SW7.3.3.1

WorkOrder: 00060378
 Lab Batch ID: R15788

Method Blank

Samples in Analytical Batch:

RunID: WET_000816A-310491 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Lab Sample ID: 00060378-01B Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

Sample Duplicate

Original Sample: 00060391-01
 RunID: WET_000816A-310494 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Analyte	Sample Result	DUP Result	RPD	RPD Limit
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: SW7.3.4.2

WorkOrder: 00060378
 Lab Batch ID: R15787

Method Blank

Samples In Analytical Batch:

RunID: WET_000616B-310502 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

Lab Sample ID: 00060378-01B
 Client Sample ID: Clark Sump

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

Sample Duplicate

Original Sample: 00060391-01
 RunID: WET_000616B-310505 Units: mg/Kg
 Analysis Date: 06/16/2000 8:00 Analyst: ES

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

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*Chain of Custody
And
Sample Receipt Checklist*



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

00060378

100292

Requested Analysis

page 1 of 1

Client Name: Covoco Inc.

Address/Phone: P.O. Box 90 Malignan, N.H. 505-676-5828

Client Contact: Rudy Quiriz

Project Name: Clark Sump

Project Number:

Project Location: Malignan Gas Plant

Invoice To: Covoco Inc. P.O. Box 90 Malignan 88204

SAMPLE ID

matrix bottle size pres. Number of Containers

W=water S=soil SL=sludge O=other:
P=plastic A=amber glass G=glass V=vial
1=1 liter 4=4oz 40=vial 8=8oz 16=16oz
1=HCl 2=HNO3 3=H2SO4 O=other:

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis	Intact?	Temp:
Clark Sump	6/14/00	9:00am		X		G	4		1	BTEX	X	
Clark Sump	6/14/00	9:00am		X		G	8		1	RCRA Metals	X	
Clark Sump	6/14/00	9:00am		X		G	40		3	RCI	X	
										TPH	X	

RUSH

Consultant Remarks: Fax copy of Results to Ashley Finnian 281-293-1244

Laboratory remarks:

Intact? Y N
Temp: 3

PM review (initials):

[Signature]

Special Reporting Requirements

Standard QC Level 3 QC

Raw Data Level 4 QC

Special Duration Limits (specify):

Requested FAT

24hr 72hr
 48hr Standard
 Other

1. Retinquished by Sample: *Rudy Quiriz*

3. Retinquished by: *Rudy Quiriz*

5. Retinquished by:

date 6/14/00 time 9:30 am

date time

2. Received by:

4. Received by:

6. Received by Laboratory: *Shama Baid* 6/15/00

- 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
- 459-Huetes Drive, Traverse Citv. MI 49684 (616) 947-5777
- 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775