NM1-011

CUNTINUED

C-138

YEAR(S):

2006-1997

istrict I - (505) 393-6161 O. Box 1980 obbs, NM 88241-1980 Ittrict II - (505) 748-1283 1 S. First NOV 1 8 2002 Conservation Division Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 Rio Brazos Road OIL CONSERVATION istrict IV - (505) 827-7131 DIVISION	Submit Original
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Ju sporating
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site HEB4 5A
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Son 5
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Maxico
7. Location of Material (Street Address or ULSTR)	Sec 11, KJON, ROW
9. <u>Circle One</u> :	
 A. All requests for approval to accept oilfield exempt wastes will be accordent of the certificate per job. B. All requests for approval to accept non-exempt wastes must be accordent of the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned. BRIEF DESCRIPTION OF MATERIAL: Soil Contentionated with new Page WSDS Attached 	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by I for transport.
Estimated Volume cy Known Volume (to be entered by the ope	
SIGNATURE:	
TYPE OR PRINT NAME: Harlan M. Brown TELI	EPHONE NO 8
(This space for State Use)	~
APPROVED BY: May The TITLE: Environ	Engt DATE: 11/14/02 ment lordesist DATE: 11/18/02

;5056321865 TX JUT- 3446 # 2/ 2 02099-001



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

Ax Klohn Ju. operatory.

DIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RID BRAZOS ROAD AZTEC, NEW MEXICO 87414 (506) 334-6178 Fax (505)334-6170

GARY E. JOHNSON GOVERNOR

MAX Klohn

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
	Envirotech Soil Remediation Facility
JW Operating 2405 B Southside River Rd.	Landfarm #2
Farminaton N.M. 87401	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
NEBU JA	
TOWN Ship 300 ROW	
Section 11	
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Peg 485 new oil.	
9	
· ·	
$(m_{\rm ev})$ (1)	
1, Max L. Klohn (Print Name)	representative for:
JUD Operating	do hereby certify that,
	ry Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	Waste is: (Check appropriate classification)
EXEMPT oilfield waste	IPT oilfield waste which is non-hazardous by characteristic
	by product identification
and that nothing has been added to the exempt or no	n-exempt non-nazardous waste derined above.
For NON-EXEMPT waste the following documenta	tion is attached (check appropriate items);
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	
Chain of Custody	
	Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	
ورسان المحمد المحمد المربعة المحمد المربع والمنابع ومناجبتهم المحمد والمحمد والمحمد والمحافظ المراجع	
Name (Original Signature): Max 6. Klo	hn
-	
Title: Lead Tech.	
(n+1)	
Date: 8/12/02	

ENTERED ANG 1 3 2002

605816-00 MOBIL PEGASUS 485 MATERIAL SAFETY DATA BULLETIN

_____ 1. PRODUCT AND COMPANY IDENTIFICATION _____ PRODUCT NAME: MOBIL PEGASUS 485 SUPPLIER: EXXONMOBIL OIL CORPORATION 3225 GALLOWS RD. FAIRFAX, VA 22037 24 - Hour Health and Safety Emergency (call collect): 609-737-4411 24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300 (Secondary) 281-834-3296 Product and Technical Information: 800-662-4525 703-846-6693 MSDS Fax on Demand: 613-228-1467, other MSDS information: 856-224-4644 2. COMPOSITION/INFORMATION ON INGREDIENTS _____ CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES GLOBALLY REPORTABLE MSDS INGREDIENTS: Approx. Wt% Substance Name _____ _____ SULFONIC ACIDS, PETROLEUM, 1-5 CALCIUM SALTS (SYNTHETIC) (61789 - 86 - 4)See Section 8 for exposure limits (if applicable). _____ 3. HAZARDS IDENTIFICATION -------Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15). EMERGENCY OVERVIEW: Dark Amber Liquid. DOT ERG No. : NA POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. For further health effects/toxicological data, see Section 11. 4. FIRST AID MEASURES EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician. SKIN CONTACT: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. (See Section 16 - Injection Injury) INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation. INGESTION: Not expected to be a problem. Seek medical attention if

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discomfort occurs. Do not induce vomiting.

_____ 5. FIRE-FIGHTING MEASURES _____ EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None. COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion. Flash Point C(F): > 232(450) (ASTM D-92). Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0% NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0 ______ 6. ACCIDENTAL RELEASE MEASURES NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300. PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13. WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures. ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation. PERSONAL PRECAUTIONS: See Section 8 7. HANDLING AND STORAGE _____ HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants. SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip hazard. EMPTY CONTAINER WARNING: Empty containers retain residue (liquid

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Page 3 of 7

and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist) - ACGIH Threshold Limit Value (TLV), 10 mg/m3 (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m3 (as oil mist) - OSHA Permissible Exposure Limit (PEL) VENTILATION: If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits. RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator. EYE PROTECTION: If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn. SKIN PROTECTION: Not normally required. When splashing or liquid contact can occur frequently, wear oil resistant gloves and/or - other protective clothing. Good personal hygiene practices should always be followed. 9. PHYSICAL AND CHEMICAL PROPERTIES _____ Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid COLOR: Dark Amber ODOR: Mild ODOR THRESHOLD-ppm: NE pH: NA BOILING POINT C(F): > 288(550) MELTING POINT C(F): NA FLASH POINT C(F): > 232(450) (ASTM D-92) FLAMMABILITY (solids): NE AUTO FLAMMABILITY: NA EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA VAPOR PRESSURE-mmHg 20 C: < 0.1 VAPOR DENSITY: > 2.0 EVAPORATION RATE: NE RELATIVE DENSITY, 15/4 C: 0.887 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: > 3.5 VISCOSITY AT 40 C, cSt: 126.0 VISCOSITY AT 100 C, cSt: 13.3 POUR POINT C(F): < -15(5) FREEZING POINT C(F): NE VOLATILE ORGANIC COMPOUND: NE DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable. CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

- ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
- DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
- INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.
- EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
- SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
- OTHER ACUTE TOXICITY DATA: Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.
- ----SUBCHRONIC TOXICOLOGY (SUMMARY)---No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.). ---REPRODUCTIVE TOXICOLOGY (SUMMARY)---
- No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition. ---CHRONIC TOXICOLOGY (SUMMARY)---
- Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. For mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils: The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.

---SENSITIZATION (SUMMARY)---

Not expected to be sensitizing based on tests of this product, components, or similar products.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products. When released into the environment, adsorption to sediment and soil will be the predominant behavior. Available ecotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product. Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal. This product is expected to be inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

- WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
- RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA. STATIC ACCUMULATOR (50 picosiemens or less): YES

15. REGULATORY INFORMATION

- US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.
- EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.
- Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

. U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES". SARA (311/312) REPORTABLE HAZARD CATEGORIES: None. This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program. The following product ingredients are cited on the lists below: CHEMICAL NAME CAS NUMBER LIST CITATIONS ZINC (ELEMENTAL ANALYSIS) (<0.03%) 7440-66-6 22 PHOSPHORODITHOIC ACID, 0,0-DI 68649-42-3 22 C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (0.26%) --- REGULATORY LISTS SEARCHED ---1=ACGIH ALL 6=IARC 1 11=TSCA 4 16=CA P65 CARC 21=LA RTK
 2=ACGIH
 A1
 7=IARC
 2A
 12=TSCA
 5a2
 17=CA
 P65
 REPRO
 22=MI
 293

 3=ACGIH
 A2
 8=IARC
 2B
 13=TSCA
 5e
 18=CA
 RTK
 23=MN
 RTK
 4=NTP CARC 9=OSHA CARC 14=TSCA 6 19=FL RTK 24=NJ RTK 5=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL RTK 25=PA RTK 26=RI RTK Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive **16. OTHER INFORMATION** USE: NATURAL GAS ENGINE OIL NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS. Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered: INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. INDUSTRIAL LABEL Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product. For Internal Use Only: MHC: 1* 1* 1* 1* 1*, MPPEC: A, TRN: 605816-00, ELIS: 400274, CMCS97: 970607, REQ: US - MARKETING, SAFE USE: L EHS Approval Date: 21AUG2001 Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a

recommendation for uses which infringe valid patents or as extending

11 S. First CONSCIVATIO rtesia, NM 88210 2040 South Pach District III - (505) 334-6178 Santa Fe, New Me 000 Rio Brazos Road (505) 827-7 ztec, NM 87410 (505) 827-7 District IV - (505) 827-7131 Consci Consci Vatio	exico 87505	Originated 4/18/95 Submit Original Plus 1 Copy to appropriate District Office
REQUEST FOR APPROVAL TO	ACCEPT SOLID WASTE	
1. RCRA Exempt: D. F 雪 8:36	10 7/01 4. Generator CS	I
Verbal Approval Received: Yes 🕅 No 🔲	5. Originating Site	=31-6#207
2. Management Facility Destination Facility Randfar	1042400 6. Transporter P	ullySons
3. Address of Facility Operator Jarmington, NM 87	40) 8. State NM	
7. Location of Material (Street Address or ULSTR) Sec. 6T3	on, Row norm	
9. <u>Circle One</u> :		
Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes n PROVE the material is not-hazardous and the Generator' listing or testing will be approved. All transporters must certify the wastes delivered are only thos	s certification of origin. No waste c	
BRIEF DESCRIPTION OF MATERIAL: Aube oil contaminated Soil r Estimated Volume	TELEPHONE NO. 1032	aul) cy

FAX:15056328985

PAGE 2



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT GIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIG BRAZOS ADAD AZTEC, NEW MEXICD 87410 (505) 334-8175 Fax (505)334-8170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1, Generator Name and Address:	2. Destination Name:
COMPRESSOR SYSTEMS INC	Envirotech Soil Remediation Facility
5995 US. HWY 64	Landfarm #2
FARMENGTON N.M 87401	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
31-6 # 207 (UNIT 410108)	SECT 6 T.30-N-R-6-W NMPM
	ENL 1940
	,
Areach Hat of originating sites as appropriate	
4. Source and Description of Waste	· · · · ·
SCREW COMPRESSOR BROKE DEC LI	NE ORAENSNG OZL ONTO GROUND.
CONTAMENATENG ABOUT 4 YARDS &	
-	
· · · · · · · · · · · · · · · · · · ·	
, Planad Parl	representative for:
1, Pheuse Ray (Print Name)	
COMPRESSOR SYSTEMS IN_	do hereby certify that,
according to the Resource Conservation and Recover	ry Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	Waste is: (Chack appropriate classification)
EXEMPT oilfield waste	APT oilfield waste which is non-hazardou's by characteristic
analysis or	by product identification
and that nothing has been added to the exempt or not	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documenta	tion is attached icheck appropriate items):
X MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	. · ·
Chain of Custody	
This is a letter with a set take Deputed of the set	Notice Book and a start of the start (NOBM)
to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
to zu nimac 3.1 subpart 1403.c and D.	
A	
Name (Original Signature):	/
Hame foriginal signature).	
Title: LEAD SERVECC TECH.	
	And a second
Date: 10/7/02	
and the second	

IK(

AL SOLUMONS FOR A BETTERTOMORROW

TRACE METAL ANALYSIS

Client:	CSI	Project #:	01038-005
Sample ID:	Grab	Date Reported:	10-10-02
Laboratory Number:	23980	Date Sampled:	10-08-02
Chain of Custody:	10323	Date Received:	10-08-02
Sample Matrix:	Soil	Date Analyzed:	10-10-02
Preservative:	Cool	Date Digested:	10-09-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals
		Det.	Regulatory
	Concentration	Limit	Level
Parameter	(mg/Kg)	(mg/Kg)	(mg/Kg)
Arsenic	0.012	0.001	5.0
Barium	1.91	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.002	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.007	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. References: SW-846, USEPA, December 1996.

> Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

S.J. 31-6 #207.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

80% - 120%

80% - 120%

Client:		QA/QC		Project #:			N/A
Sample ID:		10-10-TM	QA/QC	Date Repor	ted:		10-10-02
Laboratory Number:		23980		Date Samp	led:		N/A
Sample Matrix:		Soil		Date Receiv	ved:		N/A
Analysis Requested:		Total RCR/	A Metals	Date Analyz	zed:		10-10-02
Condition:		N/A		Date Digest	ted:		10-09-02
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.012	0.012	0.0%	0% - 30%
Barium	ND	ND	0.001	1.91	1.90	0.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
				1			
Spike		Spike	Sample	Spiked	Percent		Acceptance
Conc. (mg/Kg)		Added		Sample	Recovery		Range
Arsenic		0.500	0.012	0.511	99.8%		80% - 120%
Barium		0.500	1.91	2.40	99.6%		80% - 120%
Cadmium		0.500	ND	0.498	99.6%		80% - 120%
Chromium		0.500	0.001	0.500	99.8%		80% - 120%
Lead		0.500	0.002	0.501	99.8%		80% - 120%
Mercury		0.050	ND	0.050	100.0%		80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

0.500

0.500

0.007

ND

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

0.506

0.499

99.8%

99.8%

Comments:

Selenium

Silver

QA/QC for samples 23980 - 23981.

Analyst

Review

U	CHAIN OF		CUSTODY RECORD	10	10323	
Client / Project Name	Project Location	31-6 #207	ANALYSIS / PARAMETERS	IETERS		
					Remarks	
Sample No./ Sample Sample Identification Date Time	Lab Number		No. Contai			
tort						
27:2/ 20.8.01	- 23980	Soil				
Relinquished by: (Signature)		Date Time Rec	Received by: (Signature)		Date Tir	Time
Halle Mu Bar	Y	R.S 2.30	M T. U	V	U-SUL I	530
quished by: (Signatu	•	Rec	Received by: (Signature)			
Relinquished by: (Signature)		Rec	Received by: (Signature)			
	_ 8.4.	FOVIDOTE	VIDOTECH IOC	Sample	Sample Receipt	
		- 13			ΥN	N/A
		5796 U.S. Highway 64	ghway 64 Mavico 87401	Received Intact	7	
		(505) 632-0615		Cool - Ice/Blue Ice	e	

Land Mar All

1.4

istrict I - (505) 393-6161 O. Box 1980 obbs. NM 88241-1980 Istrict II - (505) 748-1283 1 S. First tesia, NM 88210 'trict III - (505) 334-6178 Nito Brazos Road c, NM 87410 istrict IV - (505) 827-7131 REQUEST FOR APPROVAL TO ACCEPT	Submit Original Plus I Copy to appropriate District Office Env. JN: <u>98059-22</u>
1. RCRA Exempt: Non-Exempt: X	4. Generator (lasivorsue Compensation
Verbal Approval Received: Yes No K Envirotech Soil Remedia.	5. Originating Site Rattlesame #101
2. Management Facility Destination Facility Landfarm #2 5796 US Highway 64	6. Transporter Envirotech
3. Address of Facility Operator Farmington, NM 87401	8. State New Mungico
7. Location of Material (Street Address or ULSTR)	"F" Sec 32 T32N, R&W Sano Juan Consty NUL
9. <u>Circle One</u> :	5 Aros Juan Como by DUL
 A. All requests for approval to accept oilfield exempt wastes will be accept Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. 	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned	d for transport.
BRIEF DESCRIPTION OF MATERIAL: Clean up of a choosic lube of Total underles was alysis Atta	ahed OCT 2002 Beled OCT 2002 Distribution Distribution OS & E. Z. Julia
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) —————————— cy
SIGNATURE: Waste Management Facility Authorized Agent TITLE: Landfarm M.	
Hamlen M. Broun	EPHONE NO
(This space for State Use)	
APPROVED BY: Deny teny TITLE: Enviro	<u> Eqn. 91</u> DATE: <u>10/1902</u> <u> Geologist</u> DATE: <u>10/22/07</u>

98059-ZZ



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

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

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Universal Compression	2. Destination Name: Envirotech Soil Remediation Facility
3440 Morningstar Drive Farmington, New Mexico 87401	Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
RATTLE SHAKE # 101	"F" Sec 32, T32N, R8W
Canyon	SAN Juan County NOM.
Attach list of originating sites as appropriate	· · · · · ·
4. Source and Description of Waste	
Clean up of a usadail	chronic leale on a
Compressor Skid, Lu	chronic laste on a be oil contaminated Soil.
1, Phil NAGEL	representative for:
(Print Name)	· · · · · · · · · · · · · · · · · · ·
UNiverSAL Compressi	do hereby certify that,
according to the Resource Conservation and Recover 1988, regulatory determination, the above described v	y Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
	IPT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or nor	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentat MSDS Information	tion is attached (check appropriate items): <u>×</u> Other (description): Total Metals
RCRA Hazardous Waste Analysis	Awyers

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

	-
Name (Original Signature):	
Title: <u>Supervisor</u>	

Date: 8-23-02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BEITERITOMORROW

	·		
Client:	Universal Compression	Project #:	98059-022
Sample ID:	Grab	Date Reported:	03-19-02
Laboratory Number:	22285	Date Sampled:	03-13-02
Chain of Custody:	9852	Date Received:	03-13-02
Sample Matrix:	Soil	Date Analyzed:	03-19-02
Preservative:	Cool	Date Digested:	03-19-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.077	0.001	5.0
Barium	5.68	0.001	100
Cadmium	0.070	0.001	1.0
Chromium	1.66	0.001	5.0
Lead	3.88	0.001	5.0
Mercury	0.004	0.001	0.2
Selenium	0.041	0.001	1.0
Silver	0.001	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

Rattlesnake #101.

Analyst

Waters Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORTOW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

rument	QA/QC 03-19-TM 22285 Soil Total RCRA N/A Method		Project #: Date Repor Date Samp Date Receiv Date Analyz Date Digest	led: ved: zed:		N/A 03-19-02 N/A N/A 03-19-02 03-19-02
rument	22285 Soil Total RCRA N/A		Date Samp Date Receiv Date Analyz	led: ved: zed:		N/A N/A 03-19-02
- I rument	Soil Total RCRA N/A	Metals	Date Receiv Date Analyz	ved: zed:		N/A 03-19-02
- I rument	Total RCRA N/A	Metals	Date Analyz	zed:		03-19-02
rument	N/A	Metals				
rument		:	Date Digest	ted:		03-19-02
annan a stainn an a' stainn an tha stain a' stai	Mathod					
(Imp of / I	Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance
k (mg/L) ND	ND	0.001	0.077	0.076	1.3%	Range 0% - 30%
ND .	ND	0.001	5.68	5.62	1.1%	0% - 30%
ND	ND	0.001	0.070	0.071	1.4%	0% - 30%
ND	ND	0.001	1.66	1.64	1.2%	0% - 30%
ND	ND	0.001	3.88	3.89	0.3%	0% - 30%
ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
ND	ND	0.001	0.041	0.041	0.0%	0% - 30%
ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
	0.1	· · ·	<u>.</u>		in the second	
		Sample				Acceptance Range
	ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.001 ND ND 0.001	ND ND 0.001 0.077 ND ND 0.001 5.68 ND ND 0.001 0.070 ND ND 0.001 1.66 ND ND 0.001 3.88 ND ND 0.001 0.004 ND ND 0.001 0.041 ND ND 0.001 0.001 ND ND 0.001 Spike	ND ND 0.001 0.077 0.076 ND ND 0.001 5.68 5.62 ND ND 0.001 0.070 0.071 ND ND 0.001 1.66 1.64 ND ND 0.001 3.88 3.89 ND ND 0.001 0.004 0.004 ND ND 0.001 0.041 0.041 ND ND 0.001 0.001 0.001 ND ND 0.001 0.001 Percent	ND ND 0.001 0.077 0.076 1.3% ND ND 0.001 5.68 5.62 1.1% ND ND 0.001 0.070 0.071 1.4% ND ND 0.001 1.66 1.64 1.2% ND ND 0.001 3.88 3.89 0.3% ND ND 0.001 0.004 0.004 0.0% ND ND 0.001 0.041 0.041 0.0% ND ND 0.001 0.001 0.001 0.0% ND ND 0.001 0.001 0.001 0.0% ND ND 0.001 0.001 0.001 0.0%

Arsenic	0.500	0.077	0.575	99.7%	80% - 120%
Barium	0.500	5.68	6.15	99.5%	80% - 120%
Cadmium	0.500	0.070	0.569	99.8%	80% - 120%
Chromium	0.500	1.66	2.15	99.5%	80% - 120%
Lead	0.500	3.88	4.37	99.8%	80% - 120%
Mercury	0.050	0.004	0.053	98.1%	80% - 120%
Selenium	0.500	0.041	0.539	99.6%	80% - 120%
Silver	0.500	0.001	0.500	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for sample 22285.

Analyst

atter Review

3D 09852	ANALYSIS / PARAMETERS	Remarks								066600 2-13-04 16:40		Sample Receipt	X N/A	Received Intact	Cool - Ice/Blue Ice
OF CUSTODY RECORD	Project Location Rodyle Sware # 101 AN	Sg- 022 of of of of of of of of of of		Sail 1 V					Time Received by: (Briston 16:10 Received by: (Signature)	Received by: (Signature)	Enviroteching		5796 U.S. Highway 64 Earminaton New Mexico 87404	(505) 632-0615
CHAIN O	Compression	K- HARE Client No.	Sample Sample Lab Number Date Time	3.13.02 14:30 22385					gnature)	ignature)	ignature)				
	Client / Project Name	Sampler:	Sample No./ Identification	G-R45					Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)				

istrict I - (505) 393-6161 O. Box 1980 obbs. NM 88241-1980 Istrict II - (505) 748-1283 1 S. First tesia, NM 88210 '-trict III - (505) 334-6178) Rio Brazos Road c, NM 87410 istrict IY - (505) 827-7131	n Submit Original
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator JO OPERATING.
Verbal Approval Received: Yes 🛄 No 🔀	5. Originating Site Scott #(
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Sous
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Hexcico
7. Location of Material (Street Address or ULSTR)	"K" Sec (B, T30N, RIW
9. <u>Circle One</u> :	
 A. All requests for approval to accept oilfield exempt wastes will be accept one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Cube a; (content of Sector) 	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by d for transport.
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Harlan M. Brown TITLE: Landfarm M. Brown TEL	anager DATE: 2.(6.02 EPHONE NO. 505-632-0615
(This space for State Use)	<
	0/Engr DATE: 10/18/02
APPROVED BY: Platy 250, TITLE: Environm	1. Ccologist DATE: 10/22/02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIQ BRAZOS ROAD AZTEC, NEW MEXICO 57410 (505) 334-6176 Fax (305)334-6170

:5056521865

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: JW Operating Powar 2405 B Southside River Road Faimington, U.M 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Scott # 1	Location of the Waste (Street address &/or ULSTR): "K" Sec 18, T30 N, R11 W Sagar Juan County Duy
Attach fist of originating altes as appropriate 4. Source and Description of Waste Lube oils	
I. Max L. Klohn (Print Name) J W Operating according to the Resource Conservation and Recove 1988, regulatory determination, the above described	representative for: do hereby certify that, ery Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
	MPT oilfield waste which is non-hazardous by characteristic or by product identification
For NON-EXEMPT waste the following document	

RCRA Hazardous Waste Analysis

___ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Max & Klohn
Title: Lead Lecharcan
Date: 9/16/02.

....

605816-00 MOBIL PEGASUS 485 MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION PRODUCT NAME: MOBIL PEGASUS 485 SUPPLIER: EXXONMOBIL OIL CORPORATION 3225 GALLOWS RD. FAIRFAX, VA 22037 24 - Hour Health and Safety Emergency (call collect): 609-737-4411 24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300 (Secondary) 281-834-3296 Product and Technical Information: 800-662-4525 703-846-6693 MSDS Fax on Demand: 613-228-1467, other MSDS information: 856-224-4644 2. COMPOSITION/INFORMATION ON INGREDIENTS _____ CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES GLOBALLY REPORTABLE MSDS INGREDIENTS: Substance Name Approx. Wt% _____ _____ SULFONIC ACIDS, PETROLEUM, 1-5 CALCIUM SALTS (SYNTHETIC) (61789 - 86 - 4)See Section 8 for exposure limits (if applicable). _____ _____ **3. HAZARDS IDENTIFICATION** Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15). EMERGENCY OVERVIEW: Dark Amber Liquid. DOT ERG No. : NA POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. For further health effects/toxicological data, see Section 11. _____ 4. FIRST AID MEASURES EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician. SKIN CONTACT: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. (See Section 16 - Injection Injury) INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation. INGESTION: Not expected to be a problem. Seek medical attention if

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discomfort occurs. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None. COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion. Flash Point C(F): > 232(450) (ASTM D-92). Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0% NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0 __________ 6. ACCIDENTAL RELEASE MEASURES _____ NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300. PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13. WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures. ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation. PERSONAL PRECAUTIONS: See Section 8 7. HANDLING AND STORAGE ______ HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants. SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip hazard. EMPTY CONTAINER WARNING: Empty containers retain residue (liquid

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and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist) - ACGIH Threshold Limit Value (TLV), 10 mg/m3 (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m3 (as oil mist) - OSHA Permissible Exposure Limit (PEL) VENTILATION: If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits. RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator. EYE PROTECTION: If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn. SKIN PROTECTION: Not normally required. When splashing or liquid contact can occur frequently, wear oil resistant gloves and/or other protective clothing. Good personal hygiene practices should always be followed. ______ 9. PHYSICAL AND CHEMICAL PROPERTIES Typical physical properties are given below. Consult Product Data Sheet for specific details. APPEARANCE: Liquid COLOR: Dark Amber ODOR: Mild ODOR THRESHOLD-ppm: NE pH: NA BOILING POINT C(F): > 288(550) MELTING POINT C(F): NA FLASH POINT C(F): > 232(450) (ASTM D-92) FLAMMABILITY (solids): NE AUTO FLAMMABILITY: NA EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA VAPOR PRESSURE-mmHg 20 C: < 0.1 VAPOR DENSITY: > 2.0 EVAPORATION RATE: NE RELATIVE DENSITY, 15/4 C: 0.887 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: > 3.5 VISCOSITY AT 40 C, cSt: 126.0 VISCOSITY AT 100 C, cSt: 13.3 POUR POINT C(F): < -15(5) FREEZING POINT C(F): NE VOLATILE ORGANIC COMPOUND: NE DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable. CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures. HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

- ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
- DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKÍN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

- OTHER ACUTE TOXICITY DATA: Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.
- ---SUBCHRONIC TOXICOLOGY (SUMMARY)---No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition. ---CHRONIC TOXICOLOGY (SUMMARY)---

Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. For mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils: The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures. ---SENSITIZATION (SUMMARY)---Not expected to be sensitizing based on tests of this product, components, or similar products.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products. When released into the environment, adsorption to sediment and soil will be the predominant behavior. Available ecotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product. Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal. This product is expected to be inherently biodegradable.

13. DISPOSAL CONSIDERATIONS

- WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
- RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA. STATIC ACCUMULATOR (50 picosiemens or less): YES

15. REGULATORY INFORMATION

- US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.
- EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.
- Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

. 'U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES". SARA (311/312) REPORTABLE HAZARD CATEGORIES: None. This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program. The following product ingredients are cited on the lists below: CAS NUMBER LIST CITATIONS CHEMICAL NAME _____ _____ _______ ZINC (ELEMENTAL ANALYSIS) (<0.03%) 7440-66-6 22 PHOSPHORODITHOIC ACID, 0,0-DI 68649-42-3 22 22 PHOSPHORODITHOIC ACID, 0,0-DI C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (0.26%) --- REGULATORY LISTS SEARCHED ---1=ACGIH ALL6=IARC111=TSCA416=CAP65CARC21=LARTK2=ACGIHA17=IARC2A12=TSCA5a217=CAP65REPRO22=MI2933=ACGIHA28=IARC2B13=TSCA5e18=CARTK23=MNRTK4=NTPCARC9=OSHACARC14=TSCA619=FLRTK24=NJRTK 5=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL RTK 25=PA RTK 26=RI RTK Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive _____ **16. OTHER INFORMATION** _____ USE: NATURAL GAS ENGINE OIL NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS. Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered: INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. INDUSTRIAL LABEL Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product. For Internal Use Only: MHC: 1* 1* 1* 1* 1*, MPPEC: A, TRN: 605816-00, ELIS: 400274, CMCS97: 970607, REQ: US - MARKETING, SAFE USE: L EHS Approval Date: 21AUG2001 ***** Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL

WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending

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any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or retransmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

istrict I - (505) 393-6161 New Mexico O. Box 1980 obbs, NM 88241-1980 obbs, NM 88241-1980 Energy Minerals and Natural Resource istrict II - (505) 748-1283 Oil Conservation Division 1 S. First 2040 South Pacheco Street 'trict III - (505) 334-6178 Santa Fe, New Mexico 87505 Nio Brazos Road (505) 827-7131	Submit Original Plus I Copy 93212-05 to appropriate District Office
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🖸 Non-Exempt: 🗹	4. Generator Ins c
Verbal Approval Received: Yes 🗋 No 🗹	5. Originating Site NE Blancollor 440
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Son
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	6. Transporter Paul & Son 8. State Dens Mussotco "A" Sac II, TBLN, R7W.
7. Location of Material (Street Address or ULSTR)	"A" Sec II, TBLN, R7W.
 9. <u>Circle One</u>: A. All requests for approval to accept olifield exempt wastes will be accept Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. 	ompanied by a certification of waste from the ompanied by necessary chemical analysis to
All transporters must certify the wastes delivered are only those consigned	d for transport.
BRIEF DESCRIPTION OF MATERIAL: New Compression oil spilled an grou Filter o-ring. USDS Attached	Decay of bad
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Jackborn BacilityAuthorized Agent TITLE: Landfarm M.	
Harlan M Brown	EPHONE NO
(This space for State Use) APPROVED BY: Dery Frent TITLE: En vir APPROVED BY: Marty 2th, TITLE: Environment	0/Engr DATE: 10/18/02

A NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

DIL CONSERVATION DIVISION A2TEC DISTRICT OFFICE 1000 RIO BRAZDS ROAD A2TEC, NEW MEXICO BT410 (500) 334-6176 Pax (205)314-617c

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
COMPRESSOR SYSTEMS INC	ENVIROTECH INC
R.O. Box 1886	
BLOOMFICLO NIM 87413	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
NORT EAST BLANCO UNET 440	
1156' FNL - 903' FIL SEC 11- T31.	N-R7W
Attach list of originating sites as appropriate 4. Source and Description of Waste	
	ON GROUND FROM OLL FELTER ORING
1 -	
FAELER	
· · · · · · · · · · · · · · · · · · ·	
	,
have RAX	representative for:
(Print Name)	
<u>Complectore</u> <u>Systems</u> <u>INC</u> according to the Resource Conservation and Recov 1988, regulatory determination, the above describe	do hereby certify that, very Act (RCRA) and Environmental Protection Agency's July, d waste is: (Check appropriate classification)
	•
	EMPT oilfield waste which is non-hazardous by characteristic or by product identification
and that nothing has been added to the exempt or r	non-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documen	
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	,
Chain of Custody	,
	f Naturally Occurring Radioactive Material (NORM) pursuant
o 20 NMAC 3.1 subpart 1403.C and D.	•
Jame (Original Signatural:	7
Vame (Original Signature);	

Title: LEAD SERVECC TECH

Date: 4/11/02

Ed MADI:80 1005 ES .UEM



Facsimile Transmittal Compressor Systems, Inc.

To:Harlan BrownFax #:505-632-1865Re:Date:Date:April 11, 2002Pages:2 Including cover

From the desk of
Phillip Ray
Lead service Tech
Compressor Systems, Inc
P.O. Box 1886
Bloomfield, NM 87413
Office: 505-632-5501
Fax: 505-632-8985
Mobil: 505-486-2812
phillip.ray@compressor-
systems.com

Message:

1

Morning Harlan, Sandy Baca will be bringing this, this afternoon or in the morning. If you have any questions give me a call

Material Safety Data Sheet

Click on the product name to go to the Salesfax description sheet. Click on the grade to go to the Salesfax typical test data sheet. Chevron HDAX® Low Ash Gas Engine OilsSAE 15W-40, 30, 40 MSDS: 7046 Revision #: 1 Revision Date: 02/18/99

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX Low Ash Gas Engine Oil and HDAX LFG

PRODUCT NUMBER(S): CPS232325 CPS232327 CPS232328 CPS232331 SYNONYM: CHEVRON HDAX Low Ash Gas Engine Oil SAE 15W-40 CHEVRON HDAX Low Ash Gas Engine Oil SAE 30 CHEVRON HDAX Low Ash Gas Engine Oil SAE 40 CHEVRON HDAX LFG Gas Engine Oil SAE 40

COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870 HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Emergency Information Centers are located in U.S.A. Int'l collect calls accepted

OSHA PEL

DDUCT INFORMATION: MSDS Requests: (800) 414-MSDS or (800) 414-6737 Environmental, Safety, & Health Info: (415) 894-0434 Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX Low Ash Gas Engine Oil and HDAX LFG

CONTAINING

COMPONENTS AMOUNT LIMIT/QTY AGENCY/TYPE LUBRICATING BASE OIL SEVERELY REFINED PETROLEUM DISTILLATE > 75.00% 5 mg/m3 (mist) ACGIH TWA 10 mg/m3 (mist) ACGIH STEL

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, or CAS 72623837.

5 mg/m3 (mist)

ADDITIVES INCLUDING THE FOLLOWING < 25.00%

NC ALKARYL DITHIOPHOSPHATE

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 FAX:15056328985

 INE.////////// DOCUMPENDIMENTINGUE MODE FORGET/CREVICE/CREVICE HUAX Low Ash Gas Engine.txl
 NA

 CAS54261675
 < 1.50%</td>
 NONE
 NA

 COMPOSITION COMMENT:
 All the components of this material are on the Toxic Substances Control
 *-+ Chemical Substances Inventory.

 ...is product fits the ACGIH definition for mineral oil mist.
 The ACGIH

 TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS EYE: Not expected to cause prolonged or significant eye irritation. SKIN: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. INGESTION: Not expected to be harmful if swallowed. INHALATION: Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

4. FIRST AID MEASURES

EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN:

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person. INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

assification (29 CFR 1910.1200): Not classified by OSHA as flammable or subustible.

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use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits.

""RSONAL PROTECTIVE EQUIPMENT

I/FACE PROTECTION:

No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice. SKIN PROTECTION: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H> RESPIRATORY PROTECTION: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following elements for air-purifying

respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Dark amber liquid. pH: NDA VAPOR PRESSURE: NA VAPOR DENSITY (AIR=1): NA MILING POINT: NDA SEZING POINT: NDA MELTING POINT: NA Soluble in hydrocarbon solvents; insoluble in water. SOLUBILITY: 0.88 @ 15.6/15.6C SPECIFIC GRAVITY: EVAPORATION RATE: NA 11.0 - 14.4 cSt @ 100C (min.) VISCOSITY: PERCENT VOLATILE (VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: H2S may be released at high temperatures. CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: No data available. INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

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EYE EFFECTS: The eye irritation hazard is based on an evaluation of the data for the components. SKIN EFFECTS: The skin irritation hazard is based on an evaluation of the data for the ponents. ACUTE ORAL EFFECTS: The acute oral toxicity is based on an evaluation of the data for the components. ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on an evaluation of the data for the components. ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). 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.

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 attinuous 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.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data available. ENVIRONMENTAL FATE: This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

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Ille:///CI/My Documents/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt (5 of 7) [8/1/2000 12:06:19 PM]
FILE No.958 06/20 '02 AM 07:57 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985 meanowing bocumentamaster MODS Folder/Chevron HDAX Low Ash Gas Engine.txt The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements. ; SHIPPING NAME: NONE LUT HAZARD CLASS: NONE DOT IDENTIFICATION NUMBER: NONE DOT PACKING GROUP: N/A ADDITIONAL INFO: Petroleum Lubricating Oil - Not Hazardous by U.S. DOT. ADR/RID Hazard class - Not applicable. 15. REGULATORY INFORMATION 1. Immediate (Acute) Health Effects: SARA 311 CATEGORIES: NO 2. Delayed (Chronic) Health Effects: NO 3. Fire Hazard: NO 4. Sudden Release of Pressure Hazard: NO NO

5. Reactivity Hazard:

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=1ARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
ng=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
SARA 302/304 SARA 302/304 PA RTK	19=Chevron TWA	30=Chevron STEL
J=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

ZINC ALKARYL DITHIOPHOSPHATE is found on lists: 01,11, SEVERELY REFINED PETROLEUM DISTILLATE is found on lists: 14,15,17,

EU RISK AND SAFETY LABEL PHRASES: May cause long-term adverse effects in the aquatic environment. NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL New Jersey Right-To-Know trade secret registry number 01154100-5031P New Jersey Right-To-Know trade secret registry number 01154100-5063P New Jersey Right-To-Know trade secret registry number 01154100-5024P WHMIS CLASSIFICATION: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

... PA RATINGS: Health 1; Flammability 1; Reactivity 0;

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FILE No.958 06/20 '02 AM 07:57 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985 - file:///CI/My Documents/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt HMIS RATINGS: Health 1; Flammability 1; Reactivity 0; (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or nublished evaluations prepared by the National Fire Protection lociation (NFPA) or the National Paint and Coating Association .or HMIS ratings). **REVISION STATEMENT:** This revision was updated to address: Section 1 (Name change). ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT: TLV - Threshold Limit Value TWA - Time Weighted Average STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity RQ - Reportable Quantity PEL - Permissible Exposure Limit CAS - Chemical Abstract Service Number - Ceiling Limit C A1-5 - Appendix A Categories () - Change Has Been Proposed NA - Not Applicable NDA - No Data Available Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804 ******** 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 this information 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 responsibil-

ity for the results of its use. This information is furnished upon dition that the person receiving it shall make his own determination

by the suitability of the material for his particular purpose.

PAGE

3

file:///Cl/My Documents/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt (7 of 7) [8/1/2000 12:06:19 PM]

istrict I - (505) 393-6161 New Mexico O. Box 1980 obbs, NM 88241-1980 istrict II - (505) 748-1283 Energy Minerals and Natural Resource 1 S. First Oil Conservation Division tesia, NM 88210 2040 South Pacheco Street 'wtict III - (505) 334-6178 Santa Fe, New Mexico 87505 'Rio Brazos Road (505) 827-7131	ON Submit Origin			
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE			
1. RCRA Exempt: 🔲 Non-Exempt: 🎦	4. Generator			
Verbal Approval Received: Yes 🔲 No 🖌	5. Originating Site NEBU 438			
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Sous			
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Dlepsico			
7. Location of Material (Street Address or ULSTR)	J", Seco, T30N, RAW			
9. <u>Circle One</u> :				
All transporters must certify the wastes delivered are only those consigned for transport. BRIEF DESCRIPTION OF MATERIAL: USED Tube oil contancinated soil.				
BRIEF DESCRIPTION OF MATERIAL:	······································			
BRIEF DESCRIPTION OF MATERIAL:	······································			
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BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contoninate Total Watal's Attached Estimated Volume (to be entered by the open SIGNATURE:	$al \leq ci $			
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contoninate Total Watadi's Attached Estimated Volume (to be entered by the ope SIGNATURE:	$\frac{1}{2} \text{Soci} So$			
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contourinate Gotal Watal's Alfached Estimated Volume (to be entered by the ope SIGNATURE:	For $soil$, evaluation of the hauly			

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FROM : -

CITING

FAX NO. :



GIL CONSERVATION DIVISION ATTEC DISTRICT OFFICE 1000 RIQ GRAZOS RDAD AZTEC, NEW MEXICO 37410 (508) 334-6178 Pex (\$05)334-61

GARY E. JOHNSON

CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:	
C.ST.	Envirotech	
5895 Cl. S. Hwy 64		
Farmington N.M. 3. Originating Site (name):	Location of the Waste (St	rest address &/or ULSTR):
Devon: Nebu. 438 Compressor Location	Section 8 Range za Tourship 30R	F56 1380 FW6 1850
Complessor Locustor	Tourship 30R	, . , , .
Attach list of originating sites as appropriate		
4. Source and Description of Waste		
Used Screw NGP 150 che	vilen	
1 Jeff Goossen	1	representative for:
(Print Name)		
I, (Print Name) (SI according to the Resource Conservation and Rec.	overy Act (RCRA) and Environ	do hereby certify that, mental Protection Agency's July,
(Print Name) CST according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ	overy Act (RCRA) and Environ	mental Protection Agency's July,
according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ EXEMPT olifield waste	overy Act (RCRA) and Environ and waste is: (Check appropriate o	mental Protection Agency's July,
according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ EXEMPT olifield waste	overy Act (RCRA) and Environ bed waste is: (Check appropriate o XEMPT oilfield waste which is is or by product identification	mental Protection Agency's July, plausification) non-hazardous by characteristic
according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ EXEMPT olifield waste	avery Act (RCRA) and Environ and waste is: (Check appropriate of XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (desc	mental Protection Agency's July, plassification) non-hazardous by characteristic aste defined above. propriate items):
according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ EXEMPT elifield waste X NON-E analysi and that nothing has been added to the exempt of For NON-EXEMPT waste the following docume X MSDS information	avery Act (RCRA) and Environ and waste is: (Check appropriate of XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (desc	mental Protection Agency's July, plassification) non-hazardous by characteristic aste defined above. propriate items):
according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ EXEMPT olifield waste	avery Act (RCRA) and Environ bed waste is: (Check eppropriate of XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (desc s	mental Protection Agency's July, statesticestion) non-hazardous by characteristic aste defined above. propriate items): cription):

Title: Maintenance Superintendent

Date: <u>9-24-02</u>

September 26, 2002

Mr. Phillip Ray CSI PO Box 1886 Bloomfield, NM 87413

Phone: (505) 486-2812

Job No.: 01038-004

Dear Mr. Ray,

Enclosed are the analytical results for sample collected from the location designated as "Devon Energy NE Blanco 438". One soil sample was collected by Envirotech Inc. designated personnel on 9/23/02, and received by the Envirotech laboratory on 9/23/02 for Total Metals RCRA list analysis.

The sample was documented on Envirotech Chain of Custody No. 10253 and assigned Laboratory No. 23870 (Devon Energy 438) for tracking purposes. The sample was analyzed on 9/25/02 using USEPA or equivalent methods.

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

Respectfully submitted, **Envirotech**, **Inc**.

1.) acter

Christine M. Walters' Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/CSI.wpd

TRACE METAL ANALYSIS

Client:	CSI	Project #:	01038-004
Sample ID:	Devon Energy 438	Date Reported:	09-25 - 02
Laboratory Number:	23870	Date Sampled:	09-23-02
Chain of Custody:	10253	Date Received:	09-23-02
Sample Matrix:	Soil	Date Analyzed:	09-25-02
Preservative:	Cool	Date Digested:	09-25-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals
Parameter	concentration ُ(mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.004	0.001	5.0
Arsenic Barium	0.004 1.26	0.001 0.001	5.0 100
Barium	1.26	0.001	100
Barium Cadmium	1.26 0.002	0.001 0.001	100 1.0
Barium Cadmium Chromium	1.26 0.002 0.001	0.001 0.001 0.001	100 1.0 5.0
Barium Cadmium Chromium Lead	1.26 0.002 0.001 0.003	0.001 0.001 0.001 0.001	100 1.0 5.0 5.0

ND - Parameter not detected at the stated detection limit.

References:Method 3050B, Acid Digestion of Sediments, Sludges and Soils.SW-846, USEPA, December 1996.

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Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

Devon Energy NE Blanco 438.

Analyst

Mister m Walters Review

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:		QA/QC 09-25-TM C 23870 Soil Total RCRA N/A		Project #: Date Reporte Date Sample Date Receive Date Analyze Date Digeste	ed: ed: ed:		N/A 09-25-02 N/A N/A 09-25-02 09-25-02
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND .	0.001	0.004	0.004	0.0%	0% - 30%
Barium	ND	ND	0.001	1.26	1.25	0.8%	0% - 30%
Cadmium	ND	ND,	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike Conc. (mg/Kg)		Spike Added	Sample	Spiked Sample	Percent Recovery		Acceptance Range
Arsenic		0.500	0.004	0.503	99.8%		80% - 120%
Barium		0.500	1.26	1.74	98.9%		80% - 120%
Cadmium		0.500	0.002	0.502	100.0%		80% - 120%
Chromium		0.500	0.001	0.500	99.8%		80% - 120%
Lead		0.500	0.003	0.502	99.8%		80% - 120%
Mercury		0.050	ND	0.051	102.0%		80% - 120%
Selenium		0.500	0.001	0.500	99.8%		80% - 120%
Silver		0.500	ND	0.498	99.6%		80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for sample 23870.

Analyst

Review

C	CHAIN OF CUSTODY RECORD	RECORD		-
Client / Project Name	Project Location Denver Energy NEBlanco 438	ANALYSIS / PARAMETERS	TERS	
	Client No. O - O V 8 - O O L ainers	C1-701	Remarks	
No./ Sample Sample ation Date Time	Sample Ž Cont Matrix			
4 43 9 23 02 17:20	23870 50:1 1 1			
	~			_
data				
				_
				_
Relinquistred by: (Signature)	Pate Time Received by: (Signature)	turel, Quin un	Date lime 9.23.02-1500	
zelinquished by: (Signature)	Received by: (Signature)	ture) (
Relinquished by: (Signature)	Received by: (Signature)	ture)		
	FOVIDOTFCH IOC	U	Sample Receipt	
	Sec.		Y N N/A	
	5796 U.S. Highway 64		Received Intact	
	Farmington, New Mexico 07401 (505) 632-0615		Cool - Ice/Blue Ice	

isurict I - (505) 393-6161 O. Box 1980 obbs. NM 88241-1980 Istrict II - (505) 748-1283 1 S. First tesia. NM 88210 'Tuict III - (505) 334-6178 'Rio Brazos Road c, NM 87410 astrict IY - (505) 827-7131 'Tuict III - (505) 827-7131	ON Submit Original Plus I Copy OLO38 CSI to appropriate Env. JN: <u>93212 Paul</u> Essents
1. RCRA Exempt: Non-Exempt:	4. Generator CST
Verbal Approval Received: Yes No 🔄 Envirotech Soil Remedia.	5. Originating Site EPFS ZC-15
2. Management Facility Destination Facility Landfarm #2	6. Transporter Paul & Sous
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State News 64 whoice
7. Location of Material (Street Address or ULSTR)	NWY Sec 33; TZYN RZW
 A. All requests for approval to accept oilfield exempt wastes will be accepted. B. All requests for approval to accept non-exempt wastes must be accepted. All requests for approval to accept non-exempt wastes must be accepted. All requests for approval to accept non-exempt wastes must be accepted. All transporters must certify the wastes delivered are only those consigned. BRIEF DESCRIPTION OF MATERIAL: Clean of new lube oil up sof ALSDS Attached 	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
Estimated Volume 16 cy Known Volume (to be entered by the open SIGNATURE: Harlan M. Brown TITLE: Landfarm M TYPE OR PRINT NAME: Harlan M. Brown TEL	
(This space for State Use) APPROVED BY: Dony four TITLE: Environment APPROVED BY: Myre Milly	0/ Engr DATE: 10/10/02 4/ Gedug: 51 DATE: 10/21/07

.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON Governor Jennifer A. Sallsbury Cabinet Secretary

Lori Wrotenbery Director **Oil Conservation Division** 01038 93212

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address	2, Destination Name:
Compressor Systems Inc.	
	ENVEROTECH INC 5796 U.S. HWY 64
P.C. Box 1886 Bloomfield M. M. 87415	FARMENTON N.M 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Elpaso Compressor site 2C-15	N/W.Y SECT 33 TZ4N RZW
Ciperto Carry et	
attach list of originating sites as appropriate	n - Anno
4. Source and Description of Waste	
Sciew Compressor oil Chevron NG.	P-150 AINENL OIL OUT OF SCREW COMP.
OLI ERLITER ORZALL ERELED DRA	PENENL OIL OUT OF SCREW COMP.
APROX 300 LALLOWS ON GROUND	12
	العين جار والي المراجع ا محمد المراجع الم
$\Lambda\Lambda$	
1. Joff Goosson Print Name	representative for ;
Print Name	
A	
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource
Conservation and Recovery Act (RCRA) and Environmental Protection	on Agency's July, 1988, regulatory determination, the above
described waste is: (Check appropriate classification)	•
(Turanna,	
EXEMPT oilfield waste	PT oilfield waste which is non-hazardous by characteristic
analysis or by	y product identification
and the difference is a sheet to the assessment of new exemptions and	mand was the defined at any
and that nothing has been added to the exempt or non-exempt non -ha	izardous waste dønned above.
For NON-EXEMPT waste the following documentation is attached (
	ther (description
RCRA Hazardous Waste Analysis	
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Oc	curring Radioactive Material (NORM) pursuant to 20
NMAC 3.1 subpart 1403.C and D.	
O A P	
Name (Original Signature): Supplement	
The Man I Sand to the	
The NEW HONDENCE SUPERVITENCEM	
Date: 6-10-02	
Date: () ~ /U ~ ()/_	

Oil Conservation Division * 1000 Rio Brazos Road * Aztec, New Mexico 87410 Phone: (505) 334-6178 * Fax (505) 334-6170 * http://www.emnrd.state.nm.us

FILE No.578 04/01 '02 AM 10:53 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985

PAGE 3



Material Safety Data Sheet

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205 SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150 CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870 EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500 Environmental, Safety, & Health Info: (415) 894-0703 Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

CONTAINING

Components	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY P Chemical Name: DISTILLATES CAS64742547		HEAVY PARAFFINIC 5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL
ADDITIVES	20,00%	· ·	
COMPOSITION COMMENT:		·	



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CHEVRON HDAX NG Screw Compressor Oil Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS EYE: Not expected to cause prolonged or significant eye irritation. SKIN: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. INGESTION: Not expected to be harmful if swallowed. INHALATION: Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN:

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person. INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION: Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or

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CHEVRON HDAX NG Screw Compressor Oil

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combustible. FLAMMABLE PROPERTIES: FLASH POINT: (COC) 419-446F (215-230C) Min. AUTOIGNITION: NDA FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam, Water Fog NFPA RATINGS: Health 1; Flammability 1; Reactivity 0. FIRE FIGHTING INSTRUCTIONS: This material will burn although it is not easily ignited. COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen and phosphorus. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887 International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

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.

7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.



PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION: No special eve protection is normally required Where splashing is

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CHEVRON HDAX NG Scraw Compressor Oil

possible, wear safety glasses with side shields as a good safety practice. SKIN PROTECTION:

No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H> RESPIRATORY PROTECTION:

No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Liquid. pH: NDA VAPOR PRESSURE: NA VAPOR DENSITY (AIR=1): NA BOILING POINT: NDA FREEZING POINT: NDA MELTING POINT: NA SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water. SPECIFIC GRAVITY; NDA DENSITY: NDA EVAPORATION RATE: NA VISCOSITY: 61.2 - 135 cSt @ 40C (Min.) PERCENT VOLATILE (VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: No data available. CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: No data available. INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

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CHEVRON HDAX NG Scre Compressor Oil

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EYE RFFECTS: The eye irritation hazard is based on data for a similar material. SKIN EFFECTS: The skin irritation hazard is based on data for a similar material. ACUTE ORAL EFFECTS: The acute oral toxicity is based on data for a similar material. ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on data for a similar material. ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY: This material is not expected to be harmful to aquatic organisms. **ENVIRONMENTAL FATE:** This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT DOT HAZARD CLASS: NOT APPLICABLE DOT IDENTIFICATION NUMBER: NOT APPLICABLE DOT PACKING GROUP: NOT APPLICABLE

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CHEVRON HDAX NG Screw Compressor Oil

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15. REGULATORY INFORMATION 1. Immediate (Acute) Health Effects: NO SARA 311 CATEGORIES: 2. Delayed (Chronic) Health Effects: NO NO 3. Fire Hazard: Sudden Release of Pressure Hazard: NO 4. 5. Reactivity Hazard: NO REGULATORY LISTS SEARCHED: 22=TSCA Sect 5(a)(2) 01=SARA 313 11=NJ RTK 23=TSCA Sect 6 02=MASS RTK 12-CERCLA 302.4 24=TSCA Sect 12(b) 03=NTP Carcinogen 13=MN RTK 25=TSCA Sect 8(a) 04-CA Prop 65-Carcin 14=ACGIH TWA 26-TSCA Sect 8(d) 05=CA Prop 65-Repro Tox 15=ACGIH STEL 27=TSCA Sect 4(a) 16=ACGIH Calc TLV 06=IARC Group 1 28=Canadian WHMIS 07-IARC Group 2A 17=OSHA PEL 18=DOT Marine Pollutant 29=OSHA CEILING 08=IARC Group 2B 09=SARA 302/304 19-Chevron TWA 30=Chevron STEL 20=EPA Carcinogen 10=PA RTK The following components of this material are found on the regulatory lists indicated. DISTILLATES, HYDROTREATED HEAVY PARAFFINIC is found on lists: 14,15,17, EU RISK AND SAFETY STATEMENTS: May cause long-term adverse effects in the aquatic environment.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0; HMIS RATINGS: Health 1; Flammability 1; Reactivity 0; (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT: This is a new Material Safety Data Shee

Revision Number: 0

Revision Date: 10/25/97

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X-00S021 (01-89)

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	CHEVRON HDAX NG Scr. Compressor	r Oil · (_) Page 7 of 7	
. •	ABBREVIATIONS THAT MAY HAVE BEEN	A MARD IN THIS DOCTMENT.	
	TLV - Threshold Limit Value	TWA - Time Weighted Average	۰.
	STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity	
	RQ - Reportable Quantity	PEL – Permissible Exposure Limit	
	C - Ceiling Limit	CAS - Chemical Abstract Service Number	

() - Change Has Been Proposed

NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

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 this information 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.

THIS IS THE LAST PAGE OF THIS MSDS

Revision Number: 0

A1-5 - Appendix A Categories

NDA - No Data Available

Revision Date: 10/25/97

MSDS Number: 006852



Facsimile Transmittal Compressor Systems, Inc.

To:	Harlan Brown
Fax #:	505-632-1865
Re:	Cert.of waste
Date:	June 11, 2002
Pages:	1 Including cover

From the desk of... Phillip Ray Lead service Tech Compressor Systems, Inc P.O. Box 1886 Bloomfield, NM 87413 Office: 505-632-5501 Fax: 505-632-8985 Mobil: 505-486-2812 phillip.ray@compressorsystems.com

Message:

Here is the certificate of waste for a cleanup Sandy with Paul and sons is bringing in. Any questions give me a call

District I - (505) 393-6161New MexicoP. O. Box 1980Energy Minerals and Natural ResourceHobbs, NM 88241-1980Energy Minerals and Natural Resource	
District II - (505) 748-1283 811 S. First Oil Conservation Divisio	
Artesia, NM 88210 2040 South Pacheco/Street D' trict III - (505) 334-6178 Santa Fe, New Mexico 87505	
γ Rio Brazos Road (505) 827-7131 $\gamma \approx 2$	to appropriate District Office
CC, NM 87410 District IV - (505) 827-7131	Env. JN: 38059-026
Kan the second se	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	4. Generator Und warson Comp.
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Ewuissback
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Colorado > Now chapting
7. Location of Material (Street Address or ULSTR)	SW NW Sac 33 T 332, 28W Chaplate Country Co
9. <u>Circle One</u> :	
A. All requests for approval to accept oilfield exempt wastes will be acc	ompanied by a certification of waste from the
Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accept PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.	
All transporters must certify the wastes delivered are only those consigned	a for transport.
BRIEF DESCRIPTION OF MATERIAL:	
labe oil contaminated Soil, leate	to skid and ground.
les known Age	1015 15 VIC 23
MSDS shart Affalled.	3 14 13 10 1/ B
U.C. Lettar & Total Matals of	Last of AUG 2002
•	- OIL COME. DIV.
	C AIS DE SE SEL
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
0 0 Que Par Variations M	
SIGNATURE: How Waste Management Facility Authorized Agent TITLE: Landfarm M	N
Harlan M Brown	EPHONE NO
	12 0
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
(This space for State Use)	
APPROVED BY: Deny fund TITLE: Enviro	<u>Engt</u> DATE: <u>10/10/02</u>
APPROVED BY: Matin M. TITLE: Environment	4/ 600/0915+ DATE: 10/21/02
	•

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

DIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS AGAD AZTEC, NEW MEXICO 87410 (508) 334-6178 F8X (803)334-611

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: Universal Compression 3440 Morningstar. Drive Farmington New Mexico 87401	2. Destination Name: Enviro tech
3. Originating Site (name): Conoco UTE 33-1 ( Southern UTE Reservation) Arrach fist of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Section 33 Township 33 50 HW Sec 33 N. A - 8-W 1985 N 5156 T33N, RBW. La Plata, Co. Latitude W 37° 03.7 Longitude W 107° 43.8
	d over de containment lipsonto ground
1 Scott Roelin (Print Name) Universal Compres	representative for: Sidn do hereby certify that,

according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

____ EXEMPT oilfield waste

NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

X MSDS Information

- Other (description):
- RCRA Hazardous Waste Analysis
- Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant' to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Scott Pop: Title: Arra Supervisar Date: 5/20/07

02 11:07am From-UNIVERSAL COMPRESSION	5053255027 T-888 P.03
MAR-31-1999 10:04 COASTAL	CHEMICAL SUB 327 93
(66666)	
	MATERIAL SAFETY DATA
IOTC0070	Revised 26-NOV-1998 Printed
EL MAR 3	000 ENGINE OIL
THEMICAL PRODUCT/COMPANY II	DENTIFICATION
Material Identification "EL MAR" is a registered tra	ademark of Conoco.
Grade 30	), 40, 15W-40
Product Use Natural Gas Engine Oil	
Tradenames and Synonyms 7513, 7514, 7515 - Conoco Ba	ase Codes
Company Identification MANUFACTURER/DISTRIBUTOR Conoco, Inc. P.O. Box 2197 Houston, TX 7	7252
Transport Emergency CHE	81-293-5550 MTREC 1-800-424-9300 100-441-3637
OMPOSITION/INFORMATION ON L	NGREDIENTS
Components Material	CAS Number %
Highly refined base oils	>80
Proprietary additives	<20
If oil mist is generated, ex	posure limits apply.

•••

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May-20-02 11:07am From-UNIVERSAL COMPRESSION

5053255027

133321

MAR-31-1999 10:04

COASTAL CHEMICAL

505 327 9302 P.13

#### HAZARDS IDENTIFICATION

Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -

There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

#### Carcinogenicity Information

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

#### FIRST AID MEASURES

First Aid INHALATION

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

SKIN CONTACT

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

EYE CONTACT

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

INGESTION

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

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

(Continued)

MAR-31-1999 10:05

5053255027

505 327 9302 P.14

#### FIRST AID MEASURES(Continued)

#### Notes to Physicians

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

#### FIRE FIGHTING MEASURES

Flammable Properties

Flash Point	202 C (396 F) (SAE 30)
	204 C (399 F) (SAE 40)
	193 C (379 F) (SAE 15W-40)
Method	Pensky-Martens Closed Cup - PMCC.
Flash Point	250 C (482 F) (SAE 30)
	257 C (495 F) (SAE 40)
	229 C (444 F) (SAE 15W-40)
Method	Cleveland Open Cup - COC.

COASTAL CHEMICAL

Flash point(s) given above are typical values.

#### Autoignition

#### Not Available

Class IIIB Combustible Liquid. NFPA Classification

#### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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

#### ACCIDENTAL RELEASE MEASURES

#### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

(Continued)

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#### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

COASTAL CHEMICAL

#### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

#### Storage

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Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

Respiratory Protection: None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSHapproved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin contact, NBR or Neoprene recommended.

Eye/Face Protection: Safety glasses with side shields if splashing is probable.

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

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

# Exposure Guidelines	
Applicable Exposure Limits If oil mist is generated, PEL (OSHA) TLV (ACGIH)	exposure limits apply. 5 mg/m3, 8 Hr. TwA 5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3

(Conserved)

AEL * (DuPont)

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#### EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

CDASTAL CHEMICAL

Notice of Intended Changes (1998) 5 mg/m3, 8 Hr. TWA, (As sampled by method that does not collect vapors) 5 mg/m3, 8 Hr. TWA

* AEL is DuPont's Accepteble Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

#### PHYSICAL AND CHEMICAL PROPERTIES

Physical Data Boiling Point Vapor Pressure Vapor Density % Volatiles Evaporation Rate Solubility in Water Odor Form Color Specific Gravity Density

700-1100 F (371-593 C) Nil >1 (Air = 1) Nil Insoluble Petroleum hydrocarbon (mild) Liquid Amber to Brown 0.88 @ 60 F (16 C) 7.34-7.36 lb/gal @ 60 F (16 C)

#### STABILITY AND REACTIVITY

Chemical Stability Stable at normal temperatures and storage conditions.

Conditions to Avoid Heat, sparks, and flames.

Incompatibility with Other Materials Incompatible or can react with oxidizers.

Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization

Polymerization will not occur.

#### TOXICOLOGICAL INFORMATION

#### Animal Data

Mouse skin painting studies have shown that highly solvent refined petroleum distillates similar to ingredients in this product have - not caused skin tumors.

"USED" Motor Oil . Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

(Continued)

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COASTAL CHEMICAL

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#### ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

#### DISPOSAL CONSIDERATIONS

#### Waste Disposal

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

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

#### TRANSPORTATION INFORMATION

Shipping Information DOT Not regulated.

ICAO/IMO Not restricted.

#### REGULATORY INFORMATION

U.S. Federal Regulations OSHA HAZARD DETERMINATION Under normal conditions of use, this material

Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

. . .

Acute : No Chronic- - : No Fire : No Reactivity : No Prossure : No

SARA, TITLE III, 313

(Continued)

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#### **REGULATORY INFORMATION**(Continued)

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

COASTAL CHEMICAL

TSCA

)

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material has been evaluated for RCAA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

#### CLEAN WATER ACT

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

Ingredient Reportable Ouantity Petroleum Hydrocarbons. Film or sheen upon or discoloration of any water surface.

. . .

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

CALIFORNIA "PROP 65"

This material may contain trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

#### OTHER INFORMATION

. .-

NFPA, NPCA-HMIS NFPA Rating	-			
Health	0		. ,	
Flammability	1 I			
Reactivity	0			
NPCA-HMIS Rating				
Health	1			
Flammability	1			
Reactivity	0			
Personal Protection conditions.	rating to be	supplied by	user depending	on use

(Continued)

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COASTAL CHEMICAL

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

W Indicates updated saction.

End of MSDS

1.0440.0

#### Transmission Report

Date/Time Local ID Local Name

Company Logo

505.632.0615 505.632.1865 fax

This document was confirmed. (reduced sample and details below) Document Size Letter-S

envirotechmemo/fax

to: Fans - King- Brown company: South Essiver untel Programs fax #: 978-563-0384 re: Spill close up - Soil Profile. date: 5.20.02 pages: _____(including cover page) project: Courses 33-1 cc: comments ... FRAN: Universal Compression has requested that Enviroted clean up soil continuetes by a Cltomic lube ail heads. the have the craw callest a soil sample for takel sectals Addysis. When they clean up the KITE. Location is @ 8WAW Sac 33, T 33N R 8W. from the desk of ... HAVELAN 4. Brown envirotech inc. 5796 us highway 64 farmington, n. m. 87401

this information is intended for the individual above and is confidential. If you have received this faceinitie in error, please call the number listed above, thank you

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3440 Morningstar Drive, Farmington, NM 87401Phone: (505) 326-6525(800) 800-9586Fax: (505) 325-5027(800) 541-9606

September 27, 2002

New Mexico Oil Conservation Division Attn: Denny Foust 1000 Rio Brazos Aztec, New Mexico 87401

505-334-6178 ext 15

Re: Profile of lube oil contaminated soil near a compressor at the Conoco 33-1 well location

Dear Mr. Foust:

Universal Compression has contracted Envirotech Inc. to cleanup lube oil contaminated soil at the referenced well location in "E" Section33, Township 33 North, Range 8 West, San Juan County, New Mexico. The contaminated soil resulted from a chronic lube oil leak of unknown age. We have provided Envirotech with a copy of the Material Safety Data Sheet for oil used in the unit. (Conoco El Mar 3000 Engine Oil). We had a similar lube release at another site, the San Juan 29-6 #63A, that has the same type of compressor and lube oil. We had Total Metals analysis conducted on a soil sample from the 29-6 #63A. Results of the analysis do not have metals concentrations exceeding Maximum Allowable Concentrations detailed in 40 CFR 261.24. Because the two units have similar compressors and lube oils we like to profile the soil with the same Total Metals Analysis.

Regards,

Phil Nagel Area Supervisor



Client:	Universal Compression	Project #:	98059-018
Sample ID:	Engine Oil Upset	Date Reported:	12-17-01
Laboratory Number:	21687	Date Sampled:	12-13-01
Chain of Custody:	8860	Date Received:	12-13-01
Sample Matrix:	Soil	Date Analyzed:	12-17-01
Preservative:	Cool	Date Digested:	12-17-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)	
Arsenic	0.020	0.002	5.0	
Barium	12.1	0.002	5.0 100	
Cadmium	ND	0.002	1.0	
Chromium	1.94	0.002	5.0	
Lead	5.26	0.002	5.0	
Mercury	0.004	0.002	0.2	
Selenium	0.012	0.002	1.0	
Silver	ND	0.002	5.0	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

29-7 #63A.

Analyst

m Waters_ minter Review

ENTERT ICC 10 MM



#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Acceptance.

Range

Client:	QA/QC	Project #:	N/A
Sample ID:	12-17-TM QA/QC	Date Reported:	12-17-01
Laboratory Number:	21687	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-17-01
Condition:	N/A	Date Digested:	12-17-01

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detecti Limit		e Duplicato	e % Diff.	Acceptance Range
Arsenic	ND	ND	0.002	0.020	0.020	0.0%	0% - 30%
Barium	ND	ND	0.002	12.1	12.1	0.0%	0% - 30%
Cadmium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.002	1.94	1.94	0.0%	0% - 30%
Lead	ND	ND	0.002	5.26	5.26	0.0%	0% - 30%
Mercury	ND	ND	0.002	0.004	0.004	0.0%	0% - 30%
Selenium	ND	ND	0.002	0.012	0.012	0.0%	0% - 30%
Silver	ND	ND	0.002	` ND	ND	0.0%	0% - 30%

Spike Spike Sample Spiked Percent Conc (mg/Kg) Added Sample Recovery

		· ·			
Arsenic	1.00	0.020	1.02	100.0%	80% - 120%
Barium	1.00	12.1	13.00	99.2%	80% - 120%
Cadmium	1.00	ND	0.996	99.6%	80% - 120%
Chromium	1.00	1.94	2.92	99.3%	80% - 120%
Lead	1.00	5.26	6.22	99.4%	80% - 120%
Mercury	0.100	0.004	0.102	98.1%	80% - 120%
Selenium	1.00	0.012	1.01	99.8%	80% - 120%
Silver	1.00	ND	0.998	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for sample 21687.

in Analyst

"histe Walter Review

ENTERED DEC 19 201

08860	AETERS	Remarks								Date Time	<u> </u>		Sample Receipt	Y N N/A	Received Intact	Cool - Ice/Blue Ice
OF CUSIOUT RECORD	# C3A ANALYSIS / PARAMETERS	ainers ainers	umple No atrix	Soil /			· · · · · · · · · · · · · · · · · · ·			Date Time Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	ENVIROTECH INC		5796 U.S. Highway 64 Farmington, New Mexico 87401	(505) 632-0615
	Client / Project Name Project Location	Sampler: Sortue Ray 28059-018	Sample No./ Sample Sample Lab Number Identification Date Time	Engineril 12.(3.01 15:00 21687					· ·	Relinquished by: (Signature)		Relinquished by: (Signature)				

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r	·	REQUES	T FOR AP	PROVAL TO A	-		<u> </u>	· · · · · ·
1. RCRA	Exempt:	Non-Exer	npt: 🔀	Donne For: 9.11-02 8:3		4. Generator	Coastal Cl	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Verbal	Approval Rece		Yes 🔀	No 🛄		5. Originating	Site Tiffanz	Pla
2. Manag	gement Facility	Destination	Facili	ch Soil Rem ty Landfarm	edia. #2	6. Transporter	Coastal	
3. Addre:	ss of Facility Op	perator $\frac{5}{F}$	796 US H armingto	ighway 64 n, NM 87401	8	3. State 🕖	lo > No	ч.
7. Locatio	on of Material (	Street Addre	ss or ULSTR	Rex Gra	re. 30	ZI CR3	28, Iquaci	o .C
9. <u>Circle</u>	<u>One</u> :			486-1132	) 83·263			8
All trans	sporters must c	ertify th <b>e w</b> a	stes delivere	d are only those c	onsigned for t	ransport		
	SCRIPTION OI				· · · · ·			
	SCRIPTION OI				· · · · ·		w_ Solid	25
					· · · · ·		w. Salid	25
					· · · · ·		SEP 200	2
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	2 tube 9 2000ed 6		ng a recon	t a gly ditioned	col va	z claim a	SEP 200 RECEIVE OIL CONS.	2 DW.
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Fire Fermi Estimated V SIGNATUF TYPE OR	volume RE: <u>A Gel</u> Waste Mana PRINT NAME: ace for State U	Scrapi Scrapi Scrapi Scrapi Cy Cy Cy Cy Cy Cy Cy Harlan M.	Known Volu	t a gly ditioned	col v glycod	$\frac{1}{er} = \frac{1}{50}$	SEP 200 SEP 200 RECEIVE ONL CONS. DIST. 8 haui) DATE: 9. ((	2 2 0 12 2

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GARY E, JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name:
Coastal Chemical Co LL.	Envirotech Soll Remediation Facility
3021 (R 328 Jrimitico Co 21137	LandFarm #2
Ignature to Ell'SI	Hillton, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
T. HANY PLANT.	3621 CR 328
3	Ignation (2 81137)
Attach list of originating sites as appropriate	
4. Source and Description of Waste F. 2E Tube Scrapini, and Schids	Remaining from 614col in the
RecLARMING PROCESSES,	
	representative for: do hereby certify that,
according to the Resource Conservation and Recove 1988, regulatory determination, the above described	do hereby certify that, ery Act (INCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
	MPT oilfield waste which is non-hazardous by characteristic r by product identification
and that nothing has been added to the exempt or no	n-exempt nun-hazardous waste defined above.
For NON-EXEMPT waste the following documents MSDS Information	ation is attached (check appropriate items):
L RCRA Hazardous Waste Analysis	
This waste is in compliance with Regulated Levels of to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant

Name (Original Signature): 1 - A 1 Doca
Title: Mant Mitunge
Date: $G[1][0^{-2}]$

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Sife:



LAFAYETTE AREA LAU SKI AMBASSADOR CAFFERY PKWY SCOTT, LOUISIANA ZIP 70583-8544 PHONE (337) 237-4775

#### *****SUMMARY REPORT*****

Project No:

#### Company: COASTAL CHEMICAL

Project: GLYCOL PLANT WASTE

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
0201258-01	GLYCOL	GLYCOL PLANT	1/9/02	Arsenic, TCLP Leachate	ND	0.40mg/1.	Method 6010B
5201250 01				Barium, TCLP Leachate	מא	15.0mg/L	Method 6010B ***
				(Cadmium, TCLP Leachate	D	0.20mg/L	Method 6010B ***
				Chromium, TCLP Leachate	ND	0.20mg/L	Method 6010B ***
				Lead, TCI P Leachate	ND	0.40ing/1	Method 6010B ***
				Selenium, TCLP Leachate	dи	10.40mg/L	Method 6010B ***
				Silver, TCLP Leachate	IND	10 20mg/1.	Method 6010B ***
				Mercury, TCLP Leachate	ND	0.0010mg/I	Method 7470 A***
				Endrin	IND .	1 Oug/L	Method 8080 ***
	•			Heptachlor	ND	1.0.1.2/1.	Method 8080 ***
				Heptachlor Epoxide	IND	1.0ug/1.	Method 808() ***
				Methoxychlor	ND	1.0og/L	Method 8080 ***
				a-BHC(Lindane)	ND	1.0ug/L	Method 8080 ***
				Technical Chlordane	ND	1.0ug/L	Method 8080 ***
				Toxaphene	ND	11.0ug/1.	Method 8080 ***
				2.4 - D	ND	20 Oug/L	Method 8151 ***
				[2,4,5 - TP	ND	2.0ug/L	Method 8151 ***
				1,1 Dichlorocthene	ND	50ug/1.	Method 8260B(TCLP) ***
				1.2-Dichloroethane	ND	50ug/1	Method 8260B(TCLP) ***
				2-Butanone	ND	.100ug/l.	Mciliod 8260B(TC1 P) ***
				Benzenc	ND	50ug/L	Method 8260B(TCLP) ***
				Carbon Teirachloride	ND	50µµ/L	Method 8260B(TCLP) ***
				Chlorobenzene	ND	:50ug/L	Melliod 8260B(TCLP) ***
				Chloroform	ND	!50ug/1.	Method 8260B(TCLP) ***
				Tetrachloroethene	, IND	150ug/L	Method 8260B(TCLP) ***
				Trichloroethene	ND	.50ug/L	Method 8260B(TCLP) ***
				Vinyl Chloride	ND	100ug/1.	Method 8260B(TCLP) ***
				1.4 Dichlorobenzene	ND	2500ug/L	Method 8270C ***
				2,4,5-Trichlorophenol	DND .	5000ug/l.	Method 8270C ***
				2,4,6-Trichlorophenol	ND 12500ug/L Method 82700	Method 8270C ***	
				2,4 Dimitotoluene	DND	2500ug/L	Method 8270C ***
				Hexachlorobenzenc	IND	2500ug/L	Method 8270C ***
				Hexachlorobutacione	ND	.2500ng/L	Method 8270C ***
				Hexachloroethanc	NU	:2500ug/L	Method 8270(* ***
				meta, para Cresols	IND	(2500ug/L	Method 8270C ***
				Nitrobenzene	ND	2500ug/1.	Method 8270C ***
				ortho-Cresol	ND	2500ug/L	Method 8270C ***
				Pentachlorophenol	ND	10000ug/1.	Method 8270C ***
				Pyridine	ND	:5000ug/L	Method 8270C ***

#### ND - Not Detected.

*Ref: Methods for chemical Analysis of Water and Wastes, 1983, EPA. Notes:

** Ref: Standard Methods for Examination of Water and Wastewater, 18th ed.

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.
istrict I - (505) 393-6161       New Mexico         O. Box 1980       obbs. NM 88241-1980         obbs. NM 88241-1980       Energy Minerals and Natural Resource         Istrict II - (505) 748-1283       Oil Conservation Division         1 S. First       2040 South Pacheco Street         'trict III - (505) 334-6178       Santa Fe, New Mexico 87505         `Rio Brazos Road       (505) 827-7131	ON Submit Original
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Hawlovin Compression
Verbal Approval Received: Yes 🗋 No 🔀	5. Originating Site
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Eduinsteah
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State NM
7. Location of Material (Street Address or ULSTR)	1280 TROY King Rid.
<ul> <li>9. <u>Circle One</u>:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accordenerator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> <li>BRIEF DESCRIPTION OF MATERIAL:</li> <li>Washbay Sludge from Alow gradenerator.</li> <li>TCLP Attached.</li> </ul>	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by I for transport.
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE: TITLE: Landfarm Ma Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TELE	rator at the end of the haul) cy
(This space for State Use) APPROVED BY: Deny Point TITLE: Frivero APPROVED BY: Mathin 724, TITLE: Environme	1 Engr DATE: 9/09/02 mk/ Catagest DATE: 1/11/02

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99043-004



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON GOVERNOR OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6179 Fax (505)334-6170

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name:
HANOVER COMPRESSOR	Envirotech Soil Remediation Facility Landfarm #2
1280 TROY KING RD.	Hilltop, New Mexico
FARMINGTON, N.M. 87401	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
SAME AS ABONE	1280 TROY KING RD.
- WASH BAY -	FARMINGTON, N.M. 87401
Attach list of originating sites as appropriate	81401
4. Source and Description of Waste	· · · · · · · · · · · · · · · · · · ·
ENGINE DIL ANTIFREEZE - NO S	SOLVENTS; Contominated Soil
1988, regulatory determination, the above describedEXEMPT oilfield wasteNON-EXEM analysis or	IPT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or no For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	
This waste is in compliance with Regulated Levels of I to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	
Title: SAFETY & ENVIRONMENTAL	COORDINATOR

Date: _

8-26-02

### P. 003/004

				Clie	nt Sample	TD: 23644	
	invirotech				=		2 10:15:00 AM
THE OLDER	208155				COllection 1	Jate: 8/20/0	12 10:13:00 AM
Project: F	Ianover Compression						
Lab ID: 0	208155-01				Ma	atrix: SOIL	
Analyses		Result	Limit	Qual 1	Units	DF	Date Analyzed
VOLATILES, TCLP	LEACHED						Analyst: JDC
Benzene		ND	0.50		mg/L	1	8/29/02
2-Butanone		ND	200		mg/L	1	8/28/02
Carbon Tetrachloride	e	ND	0.50		mg/L	1	8/29/02
Chlorobenzene		ND	100		mg/L	1	8/29/02
Chloroform		ND	6.0		mg/L	1	B/29/02
1,4-Dichlorobenzene	•	ND	7.5		mg/L	1	8/29/02
1,2-Dichloroelhane (	EDC)	ND	0,50		mg/L	1	8/29/02
1,1-Dichloroethene		ND	0.70		mg/L	1	8/29/02
Hexachlorobutadien	8	ND	0,50		mg/L	1	8/29/02
Tetrachloroethene (I		ND	0.70		mg/L	1	8/29/02
Trichloroathene (TC		ND	0.50	1	mg/L	1	8/29/02
Vinyl chloride		ND	0.20		mg/L	1	8/29/02
Surr: 1,2-Dichloro	ethane-d4	97.0	70-130		%REC	1	8/29/02
Sur: 4-Bromaliua	robenzene	97.6	70-130		%REC	1	8/29/02
Surr: Dibromativo	romethane	101	70-130		%REC	1	8/29/02
Sunt Toluene-d8		98.1	70-130	t	%REC	1	8/29/02
SEMIVOLATILES,	TCLP LEACHED						Analyst: CS
2,4,5-Trichlorophene		ND	400		mg/L	1 '	8/30/02
2,4,6-Trichlorophene	3l	ND	2.00		mg/L	1	8/30/02
2,4-Dinitrotoluene		ND	0.130		mg/L	1	8/30/02
Cresols, Total		ND	200		mg/L	1	8/30/02
Hexachlorobenzene		ND	0,130		mg/L	1	8/30/02
Hexachiorobutadien	e	ND	0,500		mg/L	1	B/30/02
Hexachloroethane		ND	3.00		mg/L	1	8/30/02
Nitrobenzene		ND	2.00	I	mg/⊾	1	8/30/02
Pentachiorophenol		ND	100	. 1	mg/L	1	B/30/02
Pyridine		ND	5.00	1	mg/L	1	8/30/02
Surt: 2,4,8-Tribro	mophenol	85.9	0-169	,	%REC	1	8/30/02
Surr: 2-Fluorobipl		57.3	6-118		%REC	1	8/30/02
Surr: 2-Fluorophe		43.0	0-103		%REC	1	8/30/02
Surr: 4 Terphenyl		40.8	<b>3-1</b> 35		%REC	1	8/30/0 <b>2</b>
Surr: Nitrobenzer		59.1	8-115		%REC	1	8/30/02
Surr: Phenol-d6		33.5	0-127	1	%REC	1	8/30/02
MERCURY, TCLP	LEACHED						Analyst: MAF
Mercury		ND	0.020	1	mg/L	1	8/28/02
EPA METHOD 601	OC: TCLP METALS						Analyst: NMC
Arsenic		ND	5.0	I	mg/L	1	8/29/02 10:06:08 AM
Barlum		ND	100	i	mg/L	1	8/29/02 9:10:34 AM
Cadmlum		ND	1.0	ļ	mg/L	1	8/29/02 9:10:34 AM

Qualificre:

ND - Not Detected at the Reporting Limit J - Analyte detected below quantitution limits 5 - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

Page 1 of 2

Date: 04-Sep-02

#### Hall Environmental Analysis Laboratory

CLIENT: Envirotech Client Sample ID: 23644 0208155 Lab Order: Collection Date: 8/26/02 10:15:00 AM Hanover Compression **Project:** Matrix: SOIL 0208155-01 Lab ID: Analyses Result Limit Qual Units DF **Date Analyzed** Chromlum ND 5.0 mg/L 1 8/29/02 9:10:34 AM Lead ND 5.0 mg/L 1 8/29/02 9:10:34 AM mg/L Selenium ND 1,0 1 8/29/02 9:10:34 AM ND Silver 5.0 mg/L 1 8/29/02 11:23:39 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantification limits
- B Analyte detected in the associated Method Blank
- Value exceeds Maximum Contominant Level
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Vulue above quantitation range

Page 2 of 2

Client / Project Name Dunove Congression	Project Location	I Jauly	ANALYSIS	ANALYSIS / PARAMETERS			
Sampler: J X S	Client No. <i>97643 - 00 イ</i>	~ o	2. of A P A P A P		Remarks	ķ	
Sample No./ Sample Sample Identification Date Time	ile Lab Number	Sample Matrix	<i>DL</i> Noc			-	
Lample 1 8-26-02 1015	5 23644	Li	×	Com	Juca		
						-	
ished t		Date         Time         Rec           デーン・レス         //00	Received by: (Signature)		$\mathbb{Z}_{2io}^{\text{Date}}$		Time 7.20
Relinquished by: (Signature)		Rec	Received by: (Signature)				
Relinquished by: (Signature)		Bec	Received by: (Signature)				
		FOVIROTF	NUROTECH INC	Sampl	Sample Receipt		
					~	z	N/A
		5796 U.S. Highway 64 Earminaton New Mevico 87401	ghway 64 Mevico 87401	Received Intact			
		(505) 632-0615	2-0615	Cool - Ice/Blue Ice	99 2		

CHAIN OF CUSTODY RECORD

- \ - ) -

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 P ¹⁻ trict III - (505) 334-6178 This Brazos Road Artesia, NM 87410 District IV - (505) 827-7131 District IV - (	
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Maraley
Verbal Approval Received: Yes 🗋 No 🔀	5. Originating Site Scott #1
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter TBA
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Now Mapico
7. Location of Material (Street Address or ULSTR)	
9. <u>Circle One</u> :	"K" See. 18, T30N, RILW SAN Juan County. NW
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accordent of the contribution of the contributi</li></ul>	International analysis to not origin. No waste classified hazardous by for transport.
SIGNATURE: Harlan M. Brown TITLE: Landfarm M. Brown TELI	anager DATE: 8.28.02
(This space for State Use) APPROVED BY: Demy Tout TITLE: Environment APPROVED BY: Mut 244 TITLE: Environment	DATE: 8/29/02 b/ Geodogist DATE: 9/4/02

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8-20-02; 8:46AM; ENVIROIECH

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (805) 334-6178 Fax (805)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

RESOURCES INC

1. Generator Name and Address:	2. Destination Name:
Maralex Resources, Inc.	Envirotech Soil Remediation Facility
P.O. Box 338	Landfarm #2
Ignacio, CO 81137	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Well Name: Scott # 1	NE/SW (K) Section 18-T30N-R11W San Juan County, New Mexico
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
1) Iron Oxide (Rust) flakes from i	
<ol><li>Refined oil contaminated soil f</li></ol>	rom leak in polish rod lubricator.
	· · · · · ·
·	
I, Jim Graves	representative for:
(Print Name)	representative for:
Maralex Resources, Inc.	do hereby certify that.
	y Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described v	Naste is: (Check appropriate classification)
	PT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or nor	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentat	ion is attached (check appropriate items):
MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	
Chain of Custody	
	ور کا میں اور
This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.	aturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	

Operations Manager Title:

A

August 20, 2002 Date:

p.2 2

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970-563-4116

	ety Data	Sheet		(60	noco
ONOCO HD FLEI	e <b>t en</b> gine	OIL / CONG	DCO HD FLEE	T SUPREME ENGI	INE OIL
1. CHEMICAL PR	ODUCT/COMPA	NY IDENTIFIC	ATION		
CONOCO HD	FLEET ENGIN	E OIL / CONOC	co hd fleet s	SUPREME ENGINE OI	L
MSDS Code: M	OTC0090		R	evised: 19 July	2002
"Conoco HD Fl of Conoco Inc		co HD Fleet S	Supreme" are	registered trade	marks
		e Oil, SAE 10 me Engine Oil			
MANUFACTURER/ Conoco Inc P.O. Box 2 Houston, T	197				
	formation: Emergency:		300-424-9300 387 (internat	(U.S. & Canada) ional; call coll	ect)
Medical Em		1-800-342-51		<u> تر ال اللہ اللہ - ال</u>	
Medical Em WEB SITE:	ergency:	1-800-342-51 www.conoco.c	:011		
Medical Em WEB SITE: # 2. COMPOSITI Components	ergency:	1-800-342-51 www.conoco.co ION ON INGREI	CAS Number 64742-54-7	ی۔ * 60-95	
Medical Em WEB SITE: # 2. COMPOSITI Components Highly Ref Zinc Compo	on/INFORMAT	1-800-342-51 www.conoco.co ION ON INGREI	CAS Number 64742-54-7 64742-01-4 Maxture	\$ 60-95 0-30 <=1.5	
Medical Em WEB SITE: # 2. COMPOSITI Components Highly Ref Zinc Compo Other	ergency: ON/INFORMAT ined Base O unds	1-800-342-51 www.conoco.c	CAS Number 64742-54-7 64742-01-4 Mixture Mixture	* 60-95 0-30 <=1.5 5-35	
Medical Em WEB SITE: # 2. COMPOSITI Components Highly Ref Zinc Compo Other If oil mist i	ergency: ON/INFORMAT ined Base O unds s generated	1-800-342-51 www.conoco.co ION ON INGREI ils , exposure li	CAS Number 64742-54-7 64742-01-4 Mixture Mixture Mixture	% 60-95 0-30 <=1.5 5-35 (See Section 8.	)
Medical Em WEB SITE: # 2. COMPOSITI Components Highly Ref Zinc Compo Other If oil mist i # 3. HAZARDS II APPEARANCE / C Clear and D OSHA REGULATOR	on/INFORMAT ined Base O unds s generated DENTIFICATIO ODOR bright liqu RY STATUS	1-800-342-51 www.conoco.c ION ON INGREI ils , exposure li ON - EMERGENCY C id / mild pet	CAS Number 64742-54-7 64742-01-4 Mixture Mixture mite apply OVERVIEW	% 60-95 0-30 <=1.5 5-35 (See Section 8.	

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Potential Health Effects

Page 1 of 7

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Primary Routes of Entry: Skin, inhalation The product, as with many petroleum products, may cause minor skin. eye, and lung irritation, but good hygienic practices can minimize these effects. Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection. "USED" Motor Oil -There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact. Carcinogenicity Information None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen, 4. FIRST AID MEASURES -----Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Skin Contact Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician. Eye Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Ingestion Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Notes to Physicians Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult. -----# 5. FIRE FIGHTING MEASURES Flammable Properties Flash Point (minimum) : 365 F (105 C) 20W-20, 40, 50, 15W-40 356 F (180 C) 30 320 F (160 C) 10W-30 Method: PMCC

: 444 F (229 C) 10W Flash Point (typical) 455 F (235 C) 20W-20 469 F (243 C) 30 531 F (277 C) 40, 50 COC Method: 370 F (188 C) 10W-30 374 F (190 C) 15W-40 PMCC Method: Autoignition : Not available. Flammable limits in Air, & by Volume : Undetermined LEL UEL : Undetermined Extinguishing Media Water Spray, Foam, Dry Chemical, CO2. Fire Fighting Instructions Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water may be used to flush spills away from exposures. Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection. 6. ACCIDENTAL RELEASE MEASURES Safequards (Personnel) NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up. Remove source of heat, sparks, and flame. Initial Containment Dike spill. Prevent material from entering sewers, waterways, or low areas. Spill Clean Up Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material. 7. HANDLING AND STORAGE Handling (Personnel) Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse. Handling (Physical Aspects) Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire. Storage Store in accordance with National Fire Protection Association

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9114-203-070

MARALEX RESOURCES INC

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recommendations. Store in a cool, dry, well-ventilated place. Store away from heat, sparks and flames, oxidizers. -----8. EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls VENTILATION Normal shop ventilation. Personal Protective Equipment RESPIRATORY PROTECTION None normally required except in emergencies or when conditions cause excessive airhorne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to aprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors. PROTECTIVE GLOVES should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended. EYE PROTECTION Safety glasses with side shields. OTHER PROTECTIVE EQUIPMENT Coveralls with long sleeves if splashing is probable. OTHER PRECAUTIONS Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact. Applicable Exposure Limits If oil mist is generated, exposure limits apply. 
 PEL
 (OSHA)
 : 5 mg/m3, 8 Hr. TWA

 TLV
 (ACGIH)
 : 5 mg/m3, 8 Hr. TWA,
 : 5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3 # 9. PHYSICAL AND CHEMICAL PROPERTIES Physical Data Appearance : Clear and Bright Liquid Odor : Mild Petroleum Hydrocarbon Boiling Point : Not Available Vapor Pressure : Nil Vapor Density : >1 (Air=1.0) ¥ Volatiles : Nil Evaporation Rate : Nil Solubility in Water : Insoluble Specific Gravity : 0.87-0.89 @ 60 F (16 C) Density : 7.3-7.5 lb/gal @ 60 F (16 C) : 7.3-7.5 1b/gal @ 60 F (16 C) Viscosity (typical) @ 40 C 10W : 41 cSt 20W-20 64 cSt @ 100 C 6.6 cSt 64 CSt 90 CSt 128 CSt 180 CSt 128 CSt 20W-20 8.7 cSt 30 11 cSt 40 13.5 cSt 16.9 cSt 50 15W-40 15.4 cSt

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10W-30 84 cSt 11.8 cSt 10. STABILITY AND REACTIVITY Chemical Stability Stable at normal temperatures and storage conditions. Conditions to Avoid Heat, sparks, and flames. Incompatibility with Other Materials Incompatible or can react with strong oxidizers. Decomposition Combustion forms oxides of carbon and may produce small quantities of oxides of nitrogen, sulfur, and zinc. Polymerization Polymerization will not occur. 11. TOXICOLOGICAL INFORMATION Animal Data Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors. Animal skin exposure studies show high concentrations of zinc organic phosphates cause testicular atrophy, but this effect appears related to stress from the chemical causing severe skin irritation. Low concentrations of the zinc component, as occurs in lubricant products, would be unlikely to cause testicular damage. "USED" Motor Oil -Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications. 12. ECOLOGICAL INFORMATION Ecotoxicological Information No specific aquatic data available for this product. 13. DISPOSAL CONSIDERATIONS Waste Disposal Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system. Container Disposal Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner. 14. TRANSPORTATION INFORMATION Shipping Information U.S.

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DOT: Not regulated. INTERNATIONAL IATA/IMDG: Not restricted. 15. REGULATORY INFORMATION U.S. Federal Regulations OSHA HAZARD DETERMINATION (29 CFR 1910.1200) Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SUPERFUND (40 CFR 302) Not applicable; this material is covered by the CERCLA petroleum exclusion. SARA, TITLE III, 302/304 (40 CFR 355) Constituents listed on Appendix A to Part 335 found in this material are less than 0.10%. SARA, TITLE III, 311/312 (40 CFR 370) Acute : No Chronic : No Fire : No Reactivity : No Pressure : No SARA, TITLE III, 313 (40 CFR 372) This material contains the following chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is subject to toxic chemical release reporting requirements: Toxic Chemical : Zinc Compound. TSCA (40 CFR 710) Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710). RCRA (40 CFR 261) This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria. CLEAN WATER ACT (40 CFR 116.4a) The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802). Ingredient : Petroleum Hydrocarbons. Reportable Quantity : Film or sheen upon or discoloration of any water surface. State Regulations (U.S.) CALIFORNIA "PROP 65" This material contains trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

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WUBBLEX RESONACES INC

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	& COMMUNITY RIGHT TO KNOW ACT
	y contain the following ingredient(s) subject to
· · · · ·	Worker and Community Right to Know Hazardous
Substances List.	
Ingredient	: Zinc Compound.
Category	: Environmental Hazardous Substance.
Canadian Regulation	S
	MIS Controlled Product.
16. OTHER INFORMATION	N
unless the o	on-diaphragm compressors that produce 'breathing air' utlet is monitored continuously for carbon monoxide, ants can produce carbon monoxide when subjected to tures.
specific materia	Material Safety Data Sheet relates only to the l designated herein and does not relate to use in any other material or in any process.
Prepared By	: DNA - SHE
Address	: Conoco Inc.
>	: PO Box 2197
~	: Houston, TX 77252
Telephone	: 1-281-293-5550
* erchuone	· · · · · · · · · · · · · · · · · · ·

# Indicates updated section.

End of MSDS

## Page 7 of 7

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RESOURCES INC

921:SO SO 15 3uA мөвөгех

Autice I - (505) 393-6161 D. Box 1980 bbs, NM 88241-1980 Energy Minerals and Natural Resource	
S. First Oil Conservation Division	
esia, NM 88210 2040 South Pacheco Street <u>trict III</u> - (505) 334-6178 Santa Fe, New Mexico 8750.	<b>•</b>
Rio Brazos Road (505) 827-7131	to appr District
cc, NM 87410 trict IV - (505) 827-7131	Env. JN: <u>OLOLI</u>
REQUEST FOR APPROVAL TO ACCEPT	T SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Dia Oil Co.
Verbal Approval Received: Yes No 🔀	5. Originating Site Rosa Curt
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Sie ove Oilfield :
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Num Maxico
7. Location of Material (Street Address or ULSTR)	Sec 6, TBIN, RSW
9. <u>Circle One</u> :	Res Arribba Country Dhe.
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL:	
Clean up of New Conoco HD Fleet Eague	oil (SAE 30) @ a line brea
at a compressor to tion	67891077
at a compressor toution	5618910717 5618910717 5618910717 5618910717 5618910717 5618910717 5618910717 5618910717 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 5618910777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 561900777 5619007777 5619007777 5619007777 56190077777 56190077777777777777777777777777777777777
at a compressor toution	AUG 2002
at a compressor toution	AUG 2002 RECEIVED OIL COME DIV.
at a compressor location	AUG 2002
at a compressor loution	AUG 2002 RECEIVED OIL COME DIV.
at a compressor to fim	AUG 2002 RECEIVED ONL COME DIV. DIST. 8
SIGNATURE: Haven TITLE: Landfarm M	AUG 2002 RECEIVED OIL COMS. DIV. DIST. 8 CS2V2.52V2.52V2.12V2 erator at the end of the haul) cy
SIGNATURE: Handagement FacilityAuthorized Agent Waste Management FacilityAuthorized Agent Handan M. Brown	erator at the end of the haul) cy
SIGNATURE: Handagement FacilityAuthorized Agent Waste Management FacilityAuthorized Agent Handan M. Brown	erator at the end of the haul) cy
SIGNATURE: Handgement FacilityAuthorized Agent Waste Management FacilityAuthorized Agent Handan M. Brown	erator at the end of the haul) cy
SIGNATURE: Handfarm M Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown (This space for State Use)	erator at the end of the haul) cy

AUG-06-2002 TUE 06:39 AM DIAL OIL CO

8- 6-02; 6:04AM;ENVIROTECH

;5056321885

# 2/ 2



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT GL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 57410 (\$95) 374-5178 Fmx (\$05)334-5170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:	2. Destination Name:
DIAL OIL COMPANY	Envirotech Soil Remediation Facility
3303 N Ist Street	Landfarm #2 Hilltop, New Mexico
BLOOMFIELD NM 87413	
3. Originating Site Inamel: , Willa MS Production Co.	Location of the Waste (Street address &/or ULSTR):
ROSA UNIT # 4/B, #17/0, #17/1	с
SEC 6, T-31-N, R5W, NMPM	PID APPIBA COUNTY NM
SEC 6, 1-31-N, KSW, NMPM	
Attech list of originating sites as appropriate 4. Source and Description of Waste	
NEW (UNSED)	
CONOCO HD FLEET ENGINE	FOIL SAF JO
Jula In	
, Tom Hudson	representative for:
DIAL OIL COMPANY	do hereby certify that,
according to the Resource Conservation and Recover	ry Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	waste is: (Check oppropriate classification)
EXEMPT olifield waste X NON-EXEM	1PT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above,
and that nothing has been added to the exempt of and	
For NON-EXEMPT waste the following documenta	
X MSDS Information	Other (description):
RCRA Hazardous Waste Analysis Chain of Custody	. '
	· · · · · · · · · · · · · · · · · · ·
	Vaturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	
- 11 A	
Name (Original Signature): Tom Hudm	
Title: Safety	

Date: 08-06-02

AUG-06-2002 TUE 06:39 AM DIAL OIL CO

FAX NO. 505+634+4792

P. 02

Material Safety Data	Sheet	Conoco
CONOCO HD FLEET ENGINE	OIL / CONOCO HD FLEET SUP	REME ENGINE OIL
1. CHEMICAL PRODUCT/COMPA	NY IDENTIFICATION	
CONOCO HD FLEET ENGIN	E OIL / CONOCO HD FLEET SUPREME	ENGINE OIL
MSDS Code: MOTC0090	Revised	: 20 March 2002
"Conoco HD Fleet", "Cono of Conoco Inc.	co HD Fleet Supreme" are regist	ered trademarks
Conoco HD Fleet Supre	e Oil, SAE 10W, 20W-20, 30, 40, ne Engine Oil, SAE 10W-30, 15W- ne Hi TBN Engine Oil, SAE 40, 1	40
MANUFACTURER/DISTRIBUTOR Conoco Inc. P.O. Box 2197 Houston, TX 77252		
Medical Emergency:	CHEMTREC 1-800-424-9300 (U.S. 1-703-527-3887 (international; 1-800-342-5119 or 281-293-5119	
WEB SITE:	www.conoco.com	••••
# 2. COMPOSITION/INFORMAT	ION ON INGREDIENTS	
Components Highly Refined Base O Zinc Compounds	CAS Number ils 64742-54-7 64742-01-4 Mixture	% 60-95 0-30 <=1
Other	Mixture	5-35
	exposure limits apply. (See	Section 8.)
3. HAZARDS IDENTIFICATION		
	- EMERGENCY OVERVIEW	
APPEARANCE / ODOR Clear and bright liqu	id / mild petroleum hydrocarbon	odor.
OSHA REGULATORY STATUS This material is not 1	nazardous as classified under O	SHA regulations.
HMIS RATING Health:	1; Flammability: 1; Physi	

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Potential Health Effects Primary Routes of Entry: Skin, inhalation The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects. Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection. "USED" Motor Oil -There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact. Carcinogenicity Information None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. _____ 4. FIRST AID MEASURES Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Skin Contact Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician. Eve Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Ingestion Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Notes to Physicians Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult. # 5. FIRE FIGHTING MEASURES Flammable Properties : 365 F (185 C) 20W-20, 40, 50, 15W-40 Flash Point (minimum) 356 F (180 C) 30 320 F (160 C) 10W-30 392 F (200 C) Hi TBN 15W-40

2

Method: PMCC Flash Point (typical) : 444 F (229 C) 10W 455 F (235 C) 20W-20 469 F (243 C) 30 531 F (277 C) 40, 50 450 F (232 C) 10W-30, 15W-40, Hi TBN 15W-40 480 F (249 C) Hi TBN 40 Method: COC : Not available. Autoignition Flammable limits in Air, % by Volume LEL : Undetermined UEL : Undetermined Extinguishing Media Water Spray, Foam, Dry Chemical, CO2. Fire Fighting Instructions Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water may be used to flush spills away from exposures. Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection. 6. ACCIDENTAL RELEASE MEASURES Safeguards (Personnel) NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up. Remove source of heat, sparks, and flame. Initial Containment Dike spill. Prevent material from entering sewers, waterways, or low areas. Spill Clean Up Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material. 7. HANDLING AND STORAGE Handling (Personnel) Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse. Handling (Physical Aspects) Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire. Storage Store in accordance with National Fire Protection Association

recommendations. Store in a cool, dry, well-ventilated place. Store away from heat, sparks and flames, oxidizers. _____ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls VENTILATION Normal shop ventilation. Personal Protective Equipment RESPIRATORY PROTECTION None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors. PROTECTIVE GLOVES Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended. EYE PROTECTION Safety glasses with side shields. OTHER PROTECTIVE EQUIPMENT Coveralls with long sleeves if splashing is probable. OTHER PRECAUTIONS Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact. Applicable Exposure Limits If oil mist is generated, exposure limits apply. : 5 mg/m3, 8 Hr. TWA : 5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3 PEL (OSHA) TLV (ACGIH) # 9. PHYSICAL AND CHEMICAL PROPERTIES Physical Data Ical DataAppearance: Clear and Bright LiquidOdor: Mild Petroleum HydrocarbonBoiling Point: Not AvailableVapor Pressure: NilVapor Density: >1 (Air=1.0)% Volatiles: NilEvaporation Rate: NilSolubility in Water: InsolubleSpecific Gravity: 0.87-0.89 @ 60 F (16 C)Density: 7.3-7.5 lb/gal @ 60 F (16 C) : 7.3-7.5 lb/gal @ 60 F (16 C) Density Viscosity @ 40 C @ 100 C : 41 cSt 10W 6.6 cSt 64 cSt 20W-20 8.7 cSt 90 cSt 30 11 cSt 40 128 cSt 13.5 cSt 50 180 cSt 16.9 cSt 131 cSt 15.4 cSt 15W-40

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	10W-30 Hi TBN 40 Hi TBN 14W-40	75 cSt 141 cSt 113 cSt	11.5 cSt 15.2 cSt 15.3 cSt
10.	STABILITY AND REACTIV		
Ch	emical Stability Stable at normal temp		
Co	nditions to Avoid Heat, sparks, and fla	imes.	
In	compatibility with Oth Incompatible or can 1		idizers.
De	composition Combustion forms oxid oxides of nitrogen, s		y produce small quantities of
Po	lymerization Polymerization will r		
11,	TOXICOLOGICAL INFORMA	ATION	
An	imal Data Mouse skin painting s petroleum distillates not caused skin tumor	s similar to ingredie	hat highly solvent-refined ents in this product have
	irritation. Low conc	ause testicular atrop cress from the chemic centrations of the z	
	the "Used" motor oil	the skin caused ski	in cancer. In these studies, ween applications.
12.	ECOLOGICAL INFORMATIC		
	otoxicological Informa No specific aquatic d	ition lata available for th	
	DISPOSAL CONSIDERATIC	ONS	
Wa	ste Disposal Treatment, storage, t accordance with appli	ransportation, and d cable Federal, State	
Co	promptly shipped to t	he supplier or a dru disposed of in an en	properly bunged, and am reconditioner. All other avironmentally safe manner.
14. 	TRANSPORTATION INFORM	1ATION	

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Shipping Information U.S. DOT: Not regulated. INTERNATIONAL IATA/IMDG: Not restricted. _____ # 15. REGULATORY INFORMATION _____ U.S. Federal Regulations OSHA HAZARD DETERMINATION (29 CFR 1910.1200) Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SUPERFUND (40 CFR 302) Not applicable; this material is covered by the CERCLA petroleum exclusion. SARA, TITLE III, 302/304 (40 CFR 355) Constituents listed on Appendix A to Part 335 found in this material are less than 0.10%. SARA, TITLE III, 311/312 (40 CFR 370) Acute : No : No Chronic Fire : No Reactivity : No Pressure : No SARA, TITLE III, 313 (40 CFR 372) This material contains the following chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and is subject to toxic chemical release reporting requirements: : Zinc Compound. Toxic Chemical TSCA (40 CFR 710) Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710). RCRA (40 CFR 261) This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria. CLEAN WATER ACT (40 CFR 116.4a) The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802). Ingredient : Petroleum Hydrocarbons. : Film or sheen upon or discoloration of Reportable Quantity any water surface. State Regulations (U.S.) CALIFORNIA "PROP 65" This material contains trace amount(s) of an ingredient(s) known to

P. 08

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the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions. PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT This material may contain the following ingredient(s) subject to the Pennsylvania Worker and Community Right to Know Hazardous Substances List. : Zinc Compound. Ingredient : Environmental Hazardous Substance. Category Canadian Regulations This is not a WHMIS Controlled Product. ____ 16. OTHER INFORMATION _____ NOTE: This product or any other hydrocarbon-based lubricant should not be used in non-diaphragm compressors that produce 'breathing air' unless the outlet is monitored continuously for carbon monoxide. These lubricants can produce carbon monoxide when subjected to high temperatures. The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. : Toxicology and Product Safety Prepared By : Conoco Inc. Address : PO Box 2197 > : Houston, TX 77252 : 1-281-293-5550 Telephone

# Indicates updated section.

End of MSDS

7 OF 7

District I - (505) 393-6161 P. O. Box 1980 Hobbs, NM 88241-1980 Energy Minerals and Natural Resource	Farm C.
District II - (505) 748-1283       Oil Conservation Division         B11 S. First       2040 South Pacheco Street         Artesia, NM 88210       Santa Fe, New Mexico 87505         Trict III - (505) 334-6178       Santa Fe, New Mexico 87505         Rio Brazos Road       (505) 827-7131	O <b>n</b> Submit Ori
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Quadco
Verbal Approval Received: Yes 🔲 No 🔁	5. Originating Site Main Yard
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Easuino feely
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Den Mexico 1390 E. Alurray Drive,
7. Location of Material (Street Address or ULSTR)	1390 E. Almoran Drive. Formizion Nov. 87401
<ul> <li>B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul>	n of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL:	i for transport.
Sludge generatel & cleanout of Chlow.D. Test Kit used to determin Total Metal's - Attached	a warle bay samp.
Estimated Volume Known Volume (to be entered by the ope SIGNATURE: Harland Management Facility Authorized Agent	JUL 2002 RECEIVED OIL COMS. DW. DIST. 3 Statement of the haul) cy

(This space for State Use)	1	
APPROVED BY: Deny femt	TITLE: Enviro/Enst	DATE: 7/31/02
APPROVED BY: They are and a	TITLE: Environmentel Geologist	DATE: B/12/02

02077-001



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

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

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: Quadeo 1390 E. Kurray DRIVE FARMINFTON, N.M. 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
1390 E. MURRAY DRIVE FARNINGTON, NM 87401 Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Wash Bay Sump Sladge	

1, Ste	ve Viteth	urd		representative for:
<u> </u>		Print Name)		_
XuA	NCO	·		do hereby certify that,
		rvation and Recovery	Act (RCRA) and Environment	al Protection Agency's July,
1988, regulat	tory determination, t	he above described w	vaste is: (Check appropriate classif	ication)
	<b>T</b> oilfield waste		PT oilfield waste which is non- by product identification	hazardous by characteristic
and that noth	ing has been added	to the exempt or non	-exempt non-hazardous waste	defined above.
-				

For NON-EXEMPT waste the following documentation is attached (check appropriate items): _____MSDS Information _____Other (description): CHLOR-D-TCC+ _____RCRA Hazardous Waste Analysis _____Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

		e	_
Name	(Original Signature):	ж. 	
Title:	DISTRICT MARKEEN		
Date:	7-16-02		

## IROTEC

ACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### **TRACE METAL ANALYSIS**

Client:	Quadco	Project #:	02077-001
Sample ID:	Q-1	Date Reported:	07-03-02
Laboratory Number:	23209	Date Sampled:	07-01-02
Chain of Custody:	10046	Date Received:	07-01-02
Sample Matrix:	Sludge	Date Analyzed:	07-03-02
Preservative:	Cool	Date Digested:	07-03-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)	
•				
Arsenic	0.063	0.001	5.0	
Barium	8.21	0.001	100	
Cadmium	0.084	0.001	1.0	
Chromium	0.624	0.001	5.0	
Lead	0.486	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	0.042	0.001	1.0	
Silver	ND	0.001	5.0	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

Quadco Yard.

Analyst

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#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

		· · ·					
Client:		QA/QC		Project #:			N/A
Sample ID:		07-03-TM	QA/QC	Date Repo	orted:		07-03-02
Laboratory Number:		23209		Date Sam	pled:		N/A
Sample Matrix:		Sludge		Date Rece	eived:		N/A
Analysis Requested:		Total RCR	A Metals	Date Anal	yzed:		07-03-02
Condition:		N/A		Date Dige	sted:		07-03-02
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.063	0.062	1.6%	0% - 30%
Barium	ND	ND	0.001	8.21	8.18	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.084	0.085	1.2%	0% - 30%
Chromium	ND	ND	0.001	0.624	0.620	0.6%	0% - 30%
Lead	ND	ND	0.001	0.486	0.482	0.8%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.042	0.042	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike		Spike	Sample	Spiked	Percent	an marka a sa	Acceptance
Conc. (mg/Kg)		Added		Sample	Recovery		Range
Arsenic	• .	0.500	0.063	0.561	99.6%		80% - 120%
Barium		0.500	8.21	8.70	99.9%		80% - 120%
Cadmium		0.500	0.084	0.582	99.7%		80% - 120%
Chromium		0.500	0.624	1.12	99.6%		80% - 120%
Lead		0.500	0.486	0.981	99.5%		80% - 120%
Mercury		0.050	ND	0.049	98.0%		80% - 120%
Selenium		0.500	0.042	0.540	99.6%		80% - 120%
Silver		0.500	ND ⁷	0.499	99.8%		80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 23209, 23215.

Analyst

Walters Review

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Client / Project Name ごん みひとの		Project Location	ý ED			ANALYSIS / PARAMETERS	AMETERS			
Sampler: HMH		Client No.	/ ୧୦	ainers ainers	5 7 l 76			Неп	Remarks	
Sample No./ Sample Identification Date	ole Sample e Time	Lab Number	Sample Matrix		1-1-2-1- 1-1-0-1-					
Ó-1 04/01/62	62 0855	23209	Sludge	1	7					
							•			
	-						- ,			-
	0									-
Relinquished by: (Signature)			Date Time Rece	ived by: (	Received by: (Signature)			Date		Time
Relinquished by: (Signature)	h	)		LV/L/ 0 L sived by: (	Received by: (Signature)	CAPILALA		20/1/1	_	25-7
Relinquished by: (Signature)			Hece	ived by: (	Received by: (Signature)					
		<b>B</b>	FOVIROTECH INC	U U U	DC		Ň	Sample Receipt	ceipt	
									<u>ک</u> ۲	N N/A
			5796 U.S. Highway 64 Farmington. New Mexico 87401	Ihway 6 Mexico	4 87401		Received Intact	Intact		
			(505) 632-0615	0615			Cool - Ice/Blue Ice	lue Ice	-	,

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District I - (505) 393-6161       New Mexico         P. O. Box 1980       Energy Minerals and Natural Resource         Hobbs, NM 88241-1980       Energy Minerals and Natural Resource         District II - (505) 748-1283       Oil Conservation Divisio         811 S. First       2040 South Pacheco Street         Artesia, NM 88210       2040 South Pacheco Street         P' trict III - (505) 334-6178       Santa Fe, New Mexico 87505         Nio Brazos Road       (505) 827-7131	L .
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Helliburton Every
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Main Kurd
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Esvivotech
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Daw Mexico
7. Location of Material (Street Address or ULSTR)	8. State Daw Mexico 4109 E. Main Formerston NMO
<ul> <li>9. <u>Circle One</u>:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be according Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned</li> <li>BRIEF DESCRIPTION OF MATERIAL:</li> <li>Conditionation of washbody solids different testing will be approved.</li> </ul>	inpanied by necessary chemical analysis to of origin. No waste classified hazardous by for transport.
Estimated Volume — 46 cy Known Volume (to be entered by the opera	ator at the end of the haul) cy
SIGNATURE: <u>Harlan M. Brown</u> TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TELEI	PHONE NO DATE:7.25.62 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
(This space for State Use) APPROVED BY: Denny Found TITLE: Environmental APPROVED BY: Mater THE: Environmental	0/ Fige DATE: 7/31/02 Geologist DATE: 8/12/02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (805) 334-5178 Fax (505)334-5170

;5053243515 5056321865

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: 2. Destination Name: Halliburtow ENERGY SEPVICES Envirotech Soil Remediation Facility 410g E Main STreet Landfarm #2 Hilltop, New Mexico Farmington NM. 8740 3. Originating Site (name): Location of the Waste (Street address &/or ULSTR): Halliburton ENersy SerVILES Solids Stab, lization Pad East side of Main Yard Facility MIOS E. Main Street 410GE Main Stree Farmins ON NM 87402 FarmingTon Attach list of originating sites as appropriate 4. Source and Description of Waste CONTINGATION & FWLSH boy solids ; Mud & Velated Material Serverated at Truck wash Bay representative for: 11100 do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Chack appropriate classification) NON-EXEMPT oilfield waste which is non-hazardous by characteristic **EXEMPT** oilfield waste analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above. For NON-EXEMPT waste the following documentation is attached (check appropriate items): Other (description): MSDS Information RCRA Hazardous Waste Analysis Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Male Duna Ma	-
Title: Materials Control Supervisor	
Date: 7/23/02	

#### PRACTICAL SOLUTIONS FOR A BEITTER TOMORROW

#### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wash Bay Sludge	Date Reported:	06-06-02
_ab ID#:	22848	Date Sampled:	06-03-02
Sample Matrix:	Soil	Date Received:	06-03-02
Preservative:	Cool	Date Analyzed:	06-04-02
Condition:	Cool and Intact	Chain of Custody:	9938
Parameter	Result		
GNITABILITY:	Negative		
CORROSIVITY:	Negative	pH = 7.72	• •
REACTIVITY:	Negative		
CRA Hazardous Waste Criteria	a		•
Parameter	Hazardous Waste Criterion		
IGNITABILITY:		efined by 40 CFR, Subpart C, Sec. 261. contact with flame or flash point < 60° C	
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5 )		
REACTIVITY:	(i.e. Violent reaction with water,	efined by 40 CFR, Subpart C, Sec. 261.2 strong base, strong acid, or the generations at STP with pH between 2.0 and 12.5)	
eference:	40 CFR part 261 Subpart C sect	ions 261.21 - 261.23, July 1, 1992.	

)alters Analyst

Review

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#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wah Bay Sludge	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	06-03-02
Chain of Custody:	9938	Date Received:	06-03-02
Sample Matrix:	TCLP Extract	Date Extracted:	06-04-02
Preservative:	Cool	Date Analyzed:	06-07-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

References:Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

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

Comments:

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Analyst

Review

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### EPA METHOD 8040 PHENOLS

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wash Bay Sludge	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	06-03-02
Chain of Custody:	9938	Date Received:	06-03-02
Sample Matrix:	TCLP Extract	Date Extracted:	06-04-02
Preservative:	Cool	Date Analyzed:	06-07-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

Note:

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

Comments:

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PRACTICAL SOLUTIONS FOR A BETTIER TOMORIEOW

# EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wash Bay Sludge	Date Reported:	06-06-02
Laboratory Number:	22848	Date Sampled:	06-03-02
Chain of Custody:	9938	Date Received:	06-03-02
Sample Matrix:	TCLP Extract	Date Analyzed:	06-06-02
Preservative:	Cool	Date Extracted:	06-04-02
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

		Det.	Regulatory
	Concentration	Limit	Level
Parameter	(mg/L)	(mg/L)	(mg/L)
	· · · · · · · · · · · · · · · · · · ·		

Arsenic	ND	0.001	5.0
Barium	0.880	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.047	0.001	5.0
Lead	0.479	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

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PRACTICAL SOLUTIONS FOR A BETTLER TOMORIEOW

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

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wash Bay Sludge	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	06-03-02
Chain of Custody:	9938	Date Received:	06-03-02
Sample Matrix:	TCLP Extract	Date Extracted:	06-04-02
Preservative:	Cool	Date Analyzed:	06-07-02
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery
		2-fluorobiphenyl	101%
References:	Method 1311, Toxicity	Characteristic Leaching Procedure, S	SW-846, USEPA, July 1992.
	Method 3510, Separate	bry Funnel Liquid-Liquid Extraction, S	W-846, USEPA, July 1992.
	Method 8090, Nitroaro	matics and Cyclic Ketones, SW-846,	USEPA, Sept. 1986.
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	tion 261.24. July 1, 1992.

Comments: 4

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# **QUALITY ASSURANCE / QUALITY CONTROL**

# DOCUMENTATION

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-07-02
Laboratory Number:	06-07-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-02
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery
	· · · · · · · · · · · · · · · · · · ·	Fluorobenzene	100%
		1,4-difluorobenzene	100%
		4-bromochlorobenzene	100%
References:	Method 1311, Toxicity C	Characteristic Leaching Procedure, SW-8	946, USEPA, July 1992.
	Method 5030, Purge-an	d-Trap, SW-846, USEPA, July 1992.	
	Method 8010, Halogena	ited Volatile Organic, SW-846, USEPA, S	Sept. 1994.
v	Method 8020, Aromatic	Volatile Organics, SW-846, USEPA, Sep	ot. 1994.
Note:	Regulatory Limits based	1 on 40 CFR part 261 Subpart C section 2	261.24, July 1, 1992.

Comments:

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PRACTICAL SOLUTIONS FOR A DELITER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-07-02
Laboratory Number:	06-04-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-02
Condition:	N/A	Date Extracted:	06-04-02
	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
	Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
н. Н	Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
	Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note:

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

Comments:

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PRACTICAL SOLUTIONS FOR A EFITIER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-07-02
Condition:	N/A	Date Extracted:	06-04-02

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

ND - Parameter not detected at the stated detection limit.

**References:** 

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

**Comments:** 

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PRACTICAL SOLUTIONS FOR A BETTERTOMORROW

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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	QA/QC Matrix Spike 22848 TCLP Extract TCLP N/A			Project #: Date Reporte Date Sample Date Receive Date Analyze Date Extracte	ed: ed: ed:	N/A 06-07-02 N/A N/A 06-07-02 06-04-02
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride 1,1-Dichloroethene 2-Butanone (MEK) Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane Trichloroethene Tetrachloroethene Chlorobenzene 1,4-Dichlorobenzene	ND ND ND ND ND ND ND ND ND ND ND	0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.0495 0.0494 0.0490 0.0500 0.0490 0.0495 0.0495 0.0495 0.0495 0.0495 0.0495	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0003 0.0003 0.0005 0.0003 0.0002	99% 98% 100% 98% 99% 99% 99% 99% 99%	28-163 43-143 47-132 49-133 43-143 39-150 51-147 35-146 26-162 38-150 42-143

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

**Comments:** 

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PRACTICAL SOLUTIONS FOR A FETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report Laboratory Blank

QA/QC	Project #:	N/A
Laboratory Blank	Date Reported:	06-07-02
06-07-TCA	Date Sampled:	N/A
2-Propanol	Date Received:	N/A
N/A	Date Analyzed:	06-07-02
N/A	Analysis Requested:	TCLP
Concentration	Detection Limit	Regulatory Limit
(mg/L)	(mg/L)	(mg/L)
ND	0.020	200
ND	0.040	200
		- '-
ND	0.020	2.0
ND ND	0.020 0.020	2.0 400
	Laboratory Blank 06-07-TCA 2-Propanol N/A N/A <b>Concentration</b> (mg/L) ND ND	Laboratory BlankDate Reported:06-07-TCADate Sampled:2-PropanolDate Received:N/ADate Analyzed:N/AAnalysis Requested:V/ADetectionConcentrationLimit(mg/L)(mg/L)ND0.020ND0.040

ND - Parameter not detected at the stated detection limit.

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

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Note:

Comments: QA/QC for sample 22848.

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-07-02
Laboratory Number:	06-04-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-04-02
Condition:	Cool & Intact	Date Analyzed:	06-07-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter		Percent Recovery
		2-Fluoroph 2,4,6-Tribro		99% 99%
References:		I, Toxicity Characteris 346, USEPA, July 199	=,	t Methods for Evaluating Solid
•		), Separatory Funnel I 346, USEPA, July 199		t Methods for Evaluating Solid
	Method 8040	), Phenols, Test Metho	ods for Evaluating Solid Was	ste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory L	imits based on 40 CF	R part 261 subpart C sectior	n 261.24, July 1, 1992.
Comments:	QA/QC for	sample 22848.		
Analyst	l Qp	un	Review	in marten

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-04-02
Condition:	Cool & Intact	Date Analyzed:	06-07-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Accept	otance Criteria:	Parameter	Maximum Difference
		8040 Compounds	30.0%
References:	Method 1311, Toxicity ( Waste, SW-846, USEP	Characteristic Leaching Procedure Test A, July 1992.	Methods for Evaluating Solid
	Method 3510, Separato Waste, SW-846, USEP/	ry Funnel Liquid-Liquid Extraction, Test A, July 1992.	t Methods for Evaluating Solid
	Method 8040, Phenols,	Test Methods for Evaluating Solid Was	te, SW-846, USEPA, Sept. 1986.
Note:	Regulatory Limits based	l on 40 CFR part 261 subpart C section	261.24, July 1, 1992.
Comments:	QA/QC for sample	22848.	
Analyst	- C. aplum	<u>Aristi</u> Review	n my Walter

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-07-02
Laboratory Number:	06-07-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	06-07-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

	Parameter	Percent Recovery
	2-fluorobiphenyl	95%
Method 3510, Separato	ry Funnel Liquid-Liquid Extraction, S	SW-846, USEPA, July 1992.
Regulatory Limits based	i on 40 CFR part 261 Subpart C sec	ction 261.24, July 1, 1992.
QA/QC for sample	22848.	
C. Cerun	Thou	the m Walters
	Method 3510, Separato Method 8090, Nitroaron Regulatory Limits based	2-fluorobiphenyl Method 1311, Toxicity Characteristic Leaching Procedure, S Method 3510, Separatory Funnel Liquid-Liquid Extraction, S Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, Regulatory Limits based on 40 CFR part 261 Subpart C sec QA/QC for sample 22848.

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-07-02
Laboratory Number:	06-04-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-04-02
Condition:	Cool and Intact	Date Analyzed:	06-07-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery					
		2-fluorobiphenyl	97%					
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.							
	Method 3510, Separato	Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.						
	Method 8090, Nitroaron	natics and Cyclic Ketones, SW-846, I	USEPA, Sept. 1986.					
Note:	Regulatory Limits based	I on 40 CFR part 261 Subpart C sect	ion 261.24, July 1, 1992.					
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Comments:

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# PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-07-02
Laboratory Number:	22848	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	06-04-02
Condition:	N/A	Date Analyzed:	06-07-02
	· · ·	Analysis Requested:	TCI P

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Maximum Difference					
		8090 Compounds	30%					
References:	Method 1311, Toxicity (	Characteristic Leaching Procedure, S	W-846, USEPA, July 1992.					
	Method 3510, Separato	0, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.						
	Method 8090, Nitroaror	natics and Cyclic Ketones, SW-846, L	JSEPA, Sept. 1986.					
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sect	ion 261.24, July 1, 1992.					
Comments:	QA/QC for sample	22848.						

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC			Project #:		N/A			
Sample ID:		06-06-TCN	1 QA/QC	Date Repo	rted:		06-06-02		
Laboratory Number:		22848		Date Samp	oled:		N/A		
Sample Matrix:		TCLP Extract			ived:		N/A		
Analysis Requested:	alysis Requested: TCLP Metals				zed:		06-06-02		
Condition:	ondition: N/A			Date Extra	cted:	06-04-02			
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	%	Acceptance		
Conc. (mg/L) Arsenic	Blank ND	Blank ND	Limit 0.001	ND	ND	Difference 0.0%	Range 0% - 30%		
Barium	ND	ND	0.001	0.880	0.878	0.2%	0% - 30%		
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
Chromium	ND	ND	0.001	0.047	0.046	2.1%	0% - 30%		
Lead	ND	ND	0.001	0.479	0.476	0.6%	0% - 30%		
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%		

Spike	Spike	Sample	Spiked	Percent	Acceptance
Conc. (mg/L)	Added		Sample	Recovery	Range
Arsenic	0.500	ND	0.498	99.6%	80% - 120%
Barium	0.500	0.880	1.37	99.3%	80% - 120%
Cadmium	0.500	ND	0.499	99.8%	80% - 120%
Chromium	0.500	0.047	0.546	99.8%	80% - 120%
Lead	0.500	0.479	0.977	99.8%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments:

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Analyst

m Walter Mistur Review

09938	ANALYSIS / PARAMETERS	Remarks								(1202)		Sample Receipt	Y N/A	+	Cool - Ice/Blue Ice
F CUSTODY RECORD		1		7					Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	NUROTECH INC	たんでいたが、たちにないないである	5796 U.S. Highway 64 Farmington New Mexico 87401	(505) 632-0615
CHAIN OF CU	Project Location 4109 E Main St	Client No. 72 I 32 - 30 (	Lab Number Matrix	22848 Soil					0	50:61 70.8.9		ENVIRO		5796 U. Farmington	(202
	Client / Project Name Hall 1 buton Evergy Samices	Sampler: HARLAN W. Browd	Sample No./ Sample Sample Identification Date Time	WASH BATShudye le. 3. 02 12:50					Relinquished by: (Signature)	v: (Signature	Relinquished by: (Signature)				

	mantyne Kreinig
Intrict I - (505) 393-6161       New Mexico         O. Box 1980       Energy Minerals and Natural Resource         bbbs. NM 88241-1980       Energy Minerals and Natural Resource         atrict II - (505) 748-1283       Oil Conservation Divis         1 S. First       2040 South Pacheco Stree         resia. NM 88210       2040 South Pacheco Stree         "trict III - (505) 334-6178       Santa Fe, New Mexico 8756         Nio Brazos Road       (505) 827-7131	rces Department Originated &
REQUEST FOR APPROVAL TO ACCEP	
1. RCRA Exempt: Non-Exempt:	4. Generator EPFS
Verbal Approval Received: Yes 🔲 No ි	5. Originating Site Blouce Plant C-2 Compress
2. Management Facility Destination Envirotech Soil Remedia Facility Landfarm #2	6. Transporter Eduivotean
<b>3.</b> Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Me upor 20
7. Location of Material (Street Address or ULSTR)	"B" Secil, TZAN, RUW SJ Country, Nay.
9. <u>Circle One</u> :	
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Cleamp of Furbine oil contour crank case Failure.	
	JUL 2002 FECEIVED OIL CONS. DIV. DIST. 3
Estimated Volume $-15 \frac{\alpha}{0}$ cy Known Volume (to be entered by the op	perator at the end of the haul) cy
SIGNATURE: <u>Hackart FacilityAuthonized Agent</u> TITLE: Landfarm M Waste Management FacilityAuthonized Agent TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TEL	Manager DATE: <u>7.22.02</u> EPHONE NO. 505-632-0615
(This space for State Use)	
APPROVED BY: Mayn Jent TITLE: Environm	0/Engr DATE: 07/25/02

Hold Fan total

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# **CERTIFICATE OF WASTE STATUS**

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1. Generator Name and Address:	2 Destination Name:
The Generator Marine and Address.	
El Paso Field Services Co.	Envirotech Soil Remediation Facility
614 Reilly Avenue	Landfarm #2
Farmington, NM 87401	Hilltop, New Mexico
3. Originating Site (name).	Location of Waste (Street address &/or ULSTR):
Blanco Plant	Section 14, T29N, R11W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Sails antening with here all from all filts	t and Failute
Soils contaminated with lube oil from oil filte	r case failure
L	·
I, David Bays	representative for.
(Print Name)	
El Paso Field Services	CO. do hereby certify that.
according to the Resource Conservation and Reco	overy Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above describe	ed waste IS: (Check appropriate classification)
EXEMPT Oilfield waste X	NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification
EXEMPT Oilfield waste X	characteristic analysis of by product identification
and that nothing has been added to the exempt or	non-hazardous waste defined above
and that nothing has been added to the exempt of	
For NON-EXEMPT waste only, the following docur	mentation is attached (check appropriate items):
MSDS Information	
X RCRA Hazardous Waste Analy	sis Other (description)
Chain of Custody	
Name (Original Signature):	8 Barrow
Title: Principal E	Invironmental Scientist
Date July 2, 200	

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

# **TRACE METAL ANALYSIS**

Client:	EPFS	Project #:	97057-063	
Sample ID:	Lube Oil Upset	Date Reported:	07-03-02	
Laboratory Number:	23215	Date Sampled:	07-02-02	
Chain of Custody:	10049	Date Received:	07-02-02	
Sample Matrix:	Soil	Date Analyzed:	07-03-02	
Preservative:	Cool	Date Digested:	07-03-02	
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals	

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.006	0.001	5.0
Barium	2.15	0.001	100
Cadmium	0.016	0.001	1.0
Chromium	0.091	0.001	5.0
Lead	0.080	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.002	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

Blanco Plant - C2 Turbine.

Analyst

"pristing martens Review

# PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Acceptance

Range

Client:	QA/QC	Project #:	N/A
Sample ID:	07-03-TM QA/QC	Date Reported:	07-03-02
Laboratory Number:	23209	Date Sampled:	N/A
Sample Matrix:	Sludge	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	07-03-02
Condition:	N/A	Date Digested:	07-03-02

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.063	0.062	1.6%	0% - 30%
Barium	ND	ND	0.001	8.21	8.18	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.084	0.085	1.2%	0% - 30%
Chromium	ND	ND	0.001	0.624	0.620	0.6%	0% - 30%
Lead	ND	ND	0.001	0.486	0.482	0.8%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.042	0.042	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Spike Sample Spiked Percent Conc. (mg/Kg) Added Sample Recovery

		0.000 ¹		<b>00</b> 00/	
Arsenic	0.500	0.063	0.561	99.6%	80% - 120%
Barium	0.500	8.21	8.70	99.9%	80% - 120%
Cadmium	0.500	0.084	0.582	99.7%	80% - 120%
Chromium	0.500	0.624	1.12	99.6%	80% - 120%
Lead	0.500	0.486	0.981	99.5%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.042	0.540	99.6%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 23209, 23215.

Wistin alter Review Analyst

	)					1	10049	
Client / Project Name	20	Project Location	OZ Turbine		ANALYSIS / PARAMETERS	METERS		
Sampler: Have we H. Browed	ō	Client No. RTOS7 -	-063	ainers fer fer			Remarks	
Sample No./ Sample Sam Identification Date Tin	Sample Time	Lab Number	Sample Matrix					
Lube .: 1 Upset 7.2.02 [1:	اد: عک	23215	Soi (					
Relinquished by: (Signature)	$\int$	Da V.V	Date Time Rec	ure)	00 00		Date Date 1	Time
Relinquished by: (Signature)		J -		Received by: (Signature)				5
Relinquished by: (Signature)			Rec	Received by: (Signature)				
			<b>NIROTE</b>	IVIROTECH INC		Samp	Sample Receipt	×
							z ≻	N/A
		Ű	5796 U.S. Highway 64 Farmington New Mexico 87401	ghway 64 Mexico 87401	ļ ļ	Received Intact	7	
			(505) 632-0615	-0615		Cool - Ice/Blue Ice	ce	

CHAIN OF CUSTODY RECORD

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Istrict I - (505) 393-6161       New Mexico         O. Box 1980       Energy Minerals and Natural Resource         obbs, NM 88241-1980       Energy Minerals and Natural Resource         atrict II - (505) 748-1283       Oil Conservation Division         1 S. First       2040 South Pacheco Street         tesia, NM 88210       Santa Fe, New Mexico 87503         'trict III - (505) 334-6178       Santa Fe, New Mexico 87503         'Rio Brazos Road       (505) 827-7131	DIST. 3 Submit Orig
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	4. Generator Coastal Chamica
Verbal Approval Received: Yes No 🔽	5. Originating Site Variaus
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter EDUINO tech
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Daw Marsico 1130 MADISON Long
7. Location of Material (Street Address or ULSTR)	130 MADISON Long Farming for, NM 87461
9. <u>Circle One</u> :	0
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Clean up of spills, leales, & up sets fluids at various customer local sites)	of Neur & Inbricating. Lions (oil & ges production
MSDS For typical lube oil	s attached.
Estimated Volume Z2 druncy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Harlan M. Brown TITLE: Landfarm M Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	anager DATE: 7./5.02 EPHONE NO. 505-632-0615
	/ First DATE: 07/18/02
APPROVED BY: Muntin The TITLE: Environme	ntal Geologist DATE: 07 /23 /2002



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT Douve Forst. 7.15.02 14:04 OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC. NEW MEXICO 87410 (505) 334-6178 Fax (505) 334-6170

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GARY E. JOHNSON GOVERNOR

2 27-02: T:44AM;ENVIROTECH

JENNIFER A. SALISBURY CABINET SECRETARY

# **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: COASTAL CHEMILAL 1130 MADISON LANE FARMINGTON, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): COASTAL CHENICAL	Location of the Waste (Street address &/or ULSTR): 1130 MADISON LANE FARMINGTON NM 8740)
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil Co. OILS OF UARIOUS GRADES	NTAMINATED WITH UIRGIN MOTOR
	representative for: do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described	Waste is: (Check eppropriate classification)
	NPT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documenta           X         MSDS Information	ition is attached (check appropriate items): Other (description):
·	•

Name (Original Signature)
Title: WAREHOLDE
Date: 6-27-02



Material	CAS Number %
Highly refined base oils	>80
Proprietary additives	<20

If oil mist is generated, exposure limits apply.

#### HAZARDS IDENTIFICATION

#### Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

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

### FIRST AID MEASURES

#### First Aid

INHALATION

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

SKIN CONTACT

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

EYE CONTACT

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

INGESTION

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

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

### FIRST AID MEASURES(Continued)

#### Notes to Physicians

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

# FIRE FIGHTING MEASURES

 Flammable Properties

 Flash Point
 202 C (396 F) (SAE 30)

 204 C (399 F) (SAE 40)

 193 C (379 F) (SAE 15W-40)

 Method
 Pensky-Martens Closed Cup - PMCC.

 Flash Point
 250 C (482 F) (SAE 30)

 257 C (495 F) (SAE 40)
 229 C (444 F) (SAE 15W-40)

 Method
 Cleveland Open Cup - COC.

Flash point(s) given above are typical values.

Autoignition

Not Available

NFPA Classification Class IIIB Combustible Liquid.

# Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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

#### ACCIDENTAL RELEASE MEASURES

#### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

(Continued)

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### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

#### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

#### Storage

Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

Respiratory Protection: None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSHapproved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin contact. NBR or Neoprene recommended.

Eye/Face Protection: Safety glasses with side shields if splashing is probable.

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

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

## # Exposure Guidelines

Applicable Exposure LimitsIf oil mist is generated, exposure limits apply.PEL (OSHA)5 mg/m3, 8 Hr. TWATLV (ACGIH)5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3

### EXPOSURE CONTROLS/PERSONAL PROTECTION(Continued)

Notice of Intended Changes (1998)5 mg/m3, 8 Hr. TWA, (As sampled by<br/>method that does not collect vapors)AEL * (DuPont)5 mg/m3, 8 Hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

## PHYSICAL AND CHEMICAL PROPERTIES

#### Physical Data

Boiling Point Vapor Pressure Vapor Density % Volatiles Evaporation Rate Solubility in Water Odor Form Color Specific Gravity Density 700-1100 F (371-593 C) Nil >1 (Air = 1) Nil Nil Insoluble Petroleum hydrocarbon (mild) Liquid Amber to Brown 0.88 @ 60 F (16 C) 7.34-7.36 lb/gal @ 60 F (16 C)

### STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid Heat, sparks, and flames.

Incompatibility with Other Materials Incompatible or can react with oxidizers.

#### Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

#### Polymerization

Polymerization will not occur.

### TOXICOLOGICAL INFORMATION

#### Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

#### ECOLOGICAL INFORMATION

Ecotoxicological Information No specific aquatic data available for this product.

#### DISPOSAL CONSIDERATIONS

#### Waste Disposal

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

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

# TRANSPORTATION INFORMATION

Shipping Information DOT Not regulated. ICAO/IMO

Not restricted.

#### **REGULATORY INFORMATION**

#### U.S. Federal Regulations OSHA HAZARD DETERMINATION Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	:	No
Chronic	:	No
Fire	:	NO
Reactivity	:	No
Pressure	:	NO

SARA, TITLE III, 313

#### **REGULATORY INFORMATION**(Continued)

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

TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

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

Ingredient Reportable Quantity Petroleum Hydrocarbons. Film or sheen upon or discoloration of any water surface.

والمستحد والمربوب والمستحر وروادها المتحاد والمتحا والمتحا والمراجع والمراجع والمراجع

### State Regulations (U.S.)

CALIFORNIA "PROP`65"

This material may contain trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

## OTHER INFORMATION

NFPA, NPCA-HMIS NFPA Rating		
Health	0	
Flammability	1	
Reactivity	0	
NPCA-HMIS Rating		
Health	1	
Flammability	1	
Reactivity	0	
Personal Protection conditions.	rating to be supplied by user depending on us	se

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

Responsibility for MSDS	: MSDS Coordinator
Address	: Conoco Inc.
>	: PO Box 2197
>	: Houston, TX 77252
Telephone	: 1-281-293-5550
# Indicates updated section.	

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End of MSDS





**MOTC0070** 

Revised 26-NOV-1998

Printed 8-JAN-1999

# EL MAR 3000 ENGINE OIL

# CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"EL MAR" is a registered trademark of Conoco.

Grade

30, 40, 15W-40

Product Use Natural Gas Engine Oil

Tradenames and Synonyms 7513, 7514, 7515 - Conoco Base Codes

Company Identification MANUFACTURER/DISTRIBUTOR Conoco, Inc.

P.O. Box 2197 Houston, TX 77252

PHONE NUMBERS Product Information Transport Emergency Medical Emergency

1-281-293-5550 CHEMTREC 1-800-424-9300 1-800-441-3637

# COMPOSITION/INFORMATION ON INGREDIENTS

mponents Material	CAS Number %	
Highly refined base oils	>80	
Proprietary additives	<20	

If oil mist is generated, exposure limits apply.

#### HAZARDS IDENTIFICATION

#### Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

#### Carcinogenicity Information

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

### FIRST AID MEASURES

#### First Aid INHALATION

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

SKIN CONTACT

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

EYE CONTACT

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

INGESTION

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

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

### FIRST AID MEASURES(Continued)

#### Notes to Physicians

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

# FIRE FIGHTING MEASURES

 Flammable Properties

 Flash Point
 202 C (396 F) (SAE 30)

 204 C (399 F) (SAE 40)

 193 C (379 F) (SAE 15W-40)

 Method
 Pensky-Martens Closed Cup - PMCC.

 Flash Point
 250 C (482 F) (SAE 30)

 257 C (495 F) (SAE 40)

 229 C (444 F) (SAE 15W-40)

 Method

 Cleveland Open Cup - COC.

Flash point(s) given above are typical values.

Autoignition

Not Available

NFPA Classification Class IIIB Combustible Liquid.

# Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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

#### ACCIDENTAL RELEASE MEASURES

#### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

(Continued)

1.1

#### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

#### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

#### Storage

Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

# EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

Respiratory Protection: None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSHapproved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin contact. NBR or Neoprene recommended.

Eye/Face Protection: Safety glasses with side shields if splashing is probable.

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

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

#### # Exposure Guidelines

Applicable Exposure LimitsIf oil mist is generated, exposure limits apply.PEL (OSHA)5 mg/m3, 8 Hr. TWATLV (ACGIH)5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3

# EXPOSURE CONTROLS/PERSONAL PROTECTION(Continued)

AEL * (DuPont) Notice of Intended Changes (1998) 5 mg/m3, 8 Hr. TWA, (As sampled by method that does not collect vapors) 5 mg/m3, 8 Hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

### PHYSICAL AND CHEMICAL PROPERTIES

### Physical Data

Boiling Point Vapor Pressure Vapor Density % Volatiles Evaporation Rate Solubility in Water Odor Form Color Specific Gravity Density 700-1100 F (371-593 C) Nil >1 (Air = 1) Nil Insoluble Petroleum hydrocarbon (mild) Liquid Amber to Brown 0.88 @ 60 F (16 C) 7.34-7.36 lb/gal @ 60 F (16 C)

## STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

#### Conditions to Avoid Heat, sparks, and flames.

Incompatibility with Other Materials Incompatible or can react with oxidizers.

#### Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

#### Polymerization

Polymerization will not occur.

#### TOXICOLOGICAL INFORMATION

#### Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -

Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

### ECOLOGICAL INFORMATION

# Ecotoxicological Information

No specific aquatic data available for this product.

### DISPOSAL CONSIDERATIONS

#### Waste Disposal

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

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

## TRANSPORTATION INFORMATION

Shipping Information DOT Not regulated.

ICAO/IMO Not restricted.

#### **REGULATORY INFORMATION**

#### U.S. Federal Regulations

OSHA HAZARD DETERMINATION Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

:	NO
:	No
	:

SARA, TITLE III, 313
#### **REGULATORY INFORMATION**(Continued)

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

TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

#### RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

CLEAN WATER ACT

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

Ingredient Reportable Quantity Petroleum Hydrocarbons. Film or sheen upon or discoloration of any water surface.

### State Regulations (U.S.)

CALIFORNIA "PROP 65"

This material may contain trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

## OTHER INFORMATION

conditions.

NFPA, NPCA-HMIS NFPA Rating Health Flammability Reactivity	0 1 0				
NPCA-HMIS Rating Health Flammability Reactivity	1 1 0				
Personal Protection	rating to b	e supplied	by user	depending	on use

(Continued)

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

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Responsibility for MSDS Address	: MSDS Coordinator : Conoco Inc.
Audiess	
>	: PO Box 2197
>	: Houston, TX 77252
Telephone	: 1-281-293-5550

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# Indicates updated section.

End of MSDS

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606111-00 MOBIL PEGASUS 805 SUPER MATERIAL SAFETY DATA BULLETIN -----**1. PRODUCT AND COMPANY IDENTIFICATION** PRODUCT NAME: MOBIL PEGASUS 805 SUPER SUPPLIER: MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING 3225 GALLOWS RD. FAIRFAX, VA 22037 24 - Hour Emergency (call collect): 609-737-4411 Product and MSDS Information: 856-224-4644 202-483-7616 800-662-4525 CHEMTREC: 800~424-9300 2. COMPOSITION/INFORMATION ON INGREDIENTS CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OTLS & ADDITIVES INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not havardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients. See Section 15 for European Label Information. See Section 8 for exposure limits (if applicable). 3. HAZARDS IDENTIFICATION US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous. EFFECTS OF OVEREXPOSURE: No significant effects expected. EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No. - NA 4. FIRST AID MEASURES EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician. SKIN CONTACT: Wash contact areas with soop and water. INHALATION: Not expected to be a problem. INGESTION: Not expected to be a problem. Nowever, of measure then 1/2 liter (pint) ingested, seek medical attention. 5. FIRE-FIGHTING MEASURES EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water feg. SPECIAL FIRE FIGHTING PROCEDURES: Water or form may cause frething. Use water to keep fire exposed containers cool. Water spray way be used to flush spills away from exposure. Provent rought from

fire control or dilution from entering streams, severs, or

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drinking water supply. SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 200(392) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA. NEPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides. 6. ACCIDENTAL RELEASE MEASURES NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notity CHEMTREC (800) 424-9300. PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel op and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. ENVIRONMENTAL PRECAUTIONS: Prevent spills from ontoring storm sewers or drains and contact with soil. PERSONAL PRECAUTIONS: See Section 8 7. HANDLING AND STORAGE ****** HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material. 8. EXPOSURE CONTROLS/PERSONAL PROTECTION VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation. RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation. EYE PROTECTION: Normal industrial eye protection precises should be employed. SKIN PROTECTION: No special equipment required. However, good personal hygione practices should always be followed. EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist. 9. PHYSICAL AND CHEMICAL PROPERTIES Typical physical properties are given below. Consult Product Data Sheet for specific details. APPEARANCE: Liquid COLOR: Amber

ODOR THRESHOLD-ppm: NE

ODOR: Mild

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pH: NA BOILING POINT C(F): > 316(600) MELTING POINT C(F): NA FLASH POINT C(F): > 200(392) (ASTM D-92) FLAMMABILITY: NE AUTO FLAMMABILITY: NE EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA VAPOR PRESSURE-mmHg 20 C: < 0.1 VAPOR DENSITY: > 2.0 EVAPORATION RATE: NE RELATIVE DENSITY, 15/4 C: 0.86-0.89 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: > 3.5 VISCOSITY AT 40 C, cSt: 111.0 VISCOSITY AT 100 C, cSt: 14.5 POUR POINT C(F): < -35(-31) FREEZING POINT C(F): NE VOC: < 5.00 (Wt. %); 0.358 lbs/gal NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REFRESENTATIVE 10. STABILITY AND REACTIVITY STABILITY (THERMAL, LIGHT, ETC.): Stable. CONDITIONS TO AVOID: Extreme heat. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxiditers. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon menoxide. Metal oxides. Elemental oxides. HAZARDOUS POLYMERIZATION: Will not occur. 11. TOXICOLOGICAL DATA ---ACUTE TOXICOLOGY---ORAL TOXICITY (RATS): Practically non-toxic (UDS0: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components. DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components. INHALATION TOXICITY (RATS): Practically non-toxic (LCSO: greater than 5 mg/l). ---Based on testing of similar products and/or the components. EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components. SKIN IRRITATION (RABBITS): Practically non-intitating. (Frimary Irritation Index: greater than 0.5 but less than 3). ---Record on testing of similar products and/or the components. OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute officers, administered via the inhalation route, when testod at miximum attainable oil mist or vapor concentrations. --- SUBCHRONIC TOXICOLOGY (SUMMARY) ---Representative Mobil formulations have been tested at the Mebil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industria: exposure. Extensive evaluations, including microscopic

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examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---Dermal exposure of pregnant rats to representative [ormulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Amos Test and IP-346.

---SENSITIZATION (SUMMARY)---Representative Mobil formulations have not caused skin sensitization in guinea pigs.

---OTHER TOXICOLOGY DATA---Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no offort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. There is no evidence to suggest bioaccumulation will occur. It is not expected to be toxic to aquatic organisms. Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal tacility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal. RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EFA as a hazardous whate (10 CFR, Part 2610), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hizardous characteristics of ignitability, corresivity, or reactivity and is not formulated with contaminants as determined by the Toricity Characteristic Leaching Procedure (TCLF). However, used product

## may be regulated.

#### 14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA. HARRIS BROS.

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15. REGULATORY INFORMATION Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, MITI, and DSL. EU Labeling: EU labeling not required. U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES". SARA (311/312) REPORTABLE HAZARD CATEGORIES: None. This product contains no chemicals reportable under SARA (313) toxic release program. The following product ingredients are cited on the lists below: CHEMICAL NAME CAS NUMBER LIST CITATIONS --------------XYLENES (0.06%) 1330-20-7 22 ZINC (ELEMENTAL ANALYSIS) (<0.04%) 7440-66-6 22 PHOSPHORODITHOIC ACID, 0,0-DI 68649-42-3 22 C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (2DDP) (0.338)--- REGULATORY LISTS SEARCHED ---1=ACGIN ALL 6=IARC 1 11=TSCA 4 16=CA P65 CARC 2J-LA RTK 
 7=IARC 2A
 12=TSCA 5a2
 17-CA F65

 8=IARC 2B
 13-TSCA 5e
 16=CA RTK
 2=ACG1H Al 12=TSCA 5a2 17-CA P65 REPRO 224M1 293 3-ACGIH A2 23=MN RTK 9-OSHA CARC 14-TSCA 6 4=NTP CARC 19 FL RTK 24-NU RTK 10=OSHA Z 15-TSCA 125 20=1L RTK 5=NTP SUS 25-PA PTK 26-SI RTK Code key: CARC=Catcinogen; SUS=Suspected Carcinogen; REPRO=Poproductive 16. OTHER INFORMATION USE: NATURAL GAS ENGINE OIL NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN POBS. Please call the Customer Response Center on 800-562-4525 for formulation disclosure. ****************************** For Internal Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, TEM: 606111-00, CMCS97: 97G051, REQ: MRCTEC - LUBES, SAFE USE: L EHS Approval Date: 140EP1999 tegally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EMPRESSIN DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARPAULTES OF MERCHANTABULITY AND FITNESS FOR A PARTICULAR FURFOLF OF REMPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and newly. Use or retransmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil conther represents nor warrants that the format, content of product formulas contained in this document comply with the laws of any other country except the United States of America. Copyright 1996 Mobil Corporation, All rights represent

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605717-00 MOBIL PEGASUS 89 MATERIAL SAFETY DATA BULLETIN	
1. PRODUCT AND COMPANY IDENTIFICATION	
<pre>FRODUCT NAME: MOBIL PEGASUS 89 SUPPLIER: MOBIL OIL CORP. NORTH AMERICA MARKETING AND REFINING 3225 GALLOWS RD. FAIRFAX, VA 22037 24 - Hour Emergency (call collect): 609-737-4411 Product and MSDS Information: 800-662-4525 609-224-4644 CHEMTREC: 800-424-9300 202-483-7616</pre>	
2. COMPOSITION/INFORMATION ON INGREDIENTS	
CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH: This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients. See Section 15 for European Label Information. See Section 8 for exposure limits (if applicable).	
3. HAZARDS IDENTIFICATION	
US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous. EFFECTS OF OVEREXPOSURE: No significant effects expected. EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No NA	
4. FIRST AID MEASURES	
EYE CONTACT: Elush thoroughly with water. If irritation occurs, call a physician.	

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SKIN CONTACT: Wash contact areas with soap and water. INHALATION: Not expected to be a problem. INGESTION: Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

## 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog. SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 248(479) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA. NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

#### 6. ACCIDENTAL RELEASE MEASURES

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NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300. PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

FERSONAL PRECAUTIONS: See Section 8

#### 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. STORAGE: Do not store in open or unlabelled containers. Store away

from strong oxidizing agents or combustible material.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation. RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation. EYE PROTECTION: Normal industrial eye protection practices should be employed. SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed. http://emmsds.ihspsl.com/netacgi/n...sds/scarch.html&r=1&f=G&Sect3=MR11S

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details. APPEARANCE: Liquid COLOR: Amber ODOR: Mild ODOR THRESHOLD-ppm: NE pH: 8.8 BOILING POINT C(F): 388(730) MELTING POINT C(F): NA FLASH POINT C(F): > 248(479) (ASTM D-92) FLAMMABILITY: NE AUTO FLAMMABILITY: NE EXPLOSIVE PROPERTIES: NA OXIDIZING PROPERTIES: NA VAPOR PRESSURE-mmHg 20 C: & lt; 0.1 VAPOR DENSITY: > 2.0 EVAPORATION RATE: NE RELATIVE DENSITY, 15/4 C: 0.89 SOLUBILITY IN WATER: Negligible PARTITION COEFFICIENT: > 3.5 VISCOSITY AT 40 C, cSt: 121.5 VISCOSITY AT 100 C, cSt: 13.0 POUR POINT C(F): -15(5) FREEZING POINT C(F): NE VOLATILE ORGANIC COMPOUND: NA NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

#### 10. STABILITY AND REACTIVITY

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STABILITY (THERMAL, LIGHT, ETC.): Stable. CONDITIONS TO AVOID: Extreme heat. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides. HAZARDOUS POLYMERIZATION: Will not occur.

#### **11. TOXICOLOGICAL DATA**

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components. DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components. INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components. EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components. http://emmsds.jhspsl.com/netacgi/n...sds/search.html&r=1&f=G&Sect3=MRUS

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components. OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.

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---SUBCHRONIC TOXICOLOGY (SUMMARY)---Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Ames Test and 1P-346.

---SENSITIZATION (SUMMARY)---Representative Mobil formulations have not caused skin sensitization in guinea pigs.

---OTHER TOXICOLOGY DATA---Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

#### 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. There is no evidence to suggest bioaccumulation will occur. It is not expected to be toxic to aquatic organisms.

Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

#### **13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal. RCRA INFORMATION: The unused product, in our opinion, is not

specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which http://emmsds.ihspsl.com/netacgi/n...sds/search.html&r=1&f=G&Sect3=MRU

are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated. _____ **14. TRANSPORT INFORMATION** _____ USA DOT: NOT REGULATED BY USA DOT. RID/ADR: NOT REGULATED BY RID/ADR. IMO: NOT REGULATED BY IMO. IATA: NOT REGULATED BY IATA. _____ **15. REGULATORY INFORMATION** _____ Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL. EU Labeling: EU labeling not required. U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES". SARA (311/312) REPORTABLE HAZARD CATEGORIES: None. This product contains no chemicals reportable under SARA (313) toxic release program. The following product ingredients are cited on the lists below: CHEMICAL NAME CAS NUMBER LIST CITATIONS ______ _____ ZINC (ELEMENTAL ANALYSIS) (0.03%) 22 7440-66-6 PHOSPHORODITHOIC ACID, 0,0-DI 68649-42-3 22 C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (0.26%) --- REGULATORY LISTS SEARCHED ---1=ACGIH ALL 6=IARC 1 11=TSCA 4 16=CA P65 CARC 21=LA RTK 2=ACGIH A1 7=IARC 2A 12=TSCA 5a2 17=CA P65 REPRO 22=MI 293 3=ACGIH A2 8=IARC 2B 13=TSCA 5e 18=CA RTK 23=MN RTK 4=NTP CARC 9=OSHA CARC 14=TSCA 6 19=FI, RTK 24=NJ RTK 5=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL RTK 25=PA RTK 26=R1 RTK Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive ______ **16. OTHER INFORMATION** USE: NATURAL GAS ENGINE OIL NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS. Please call the Customer Response Center on 800-662-4525 for formulation disclosure. For Internal Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, TRN: 605717-00, GLIS: 403164, CMCS97: 979930, REQ: US - MARKETING, SAFE USE: L EHS Approval Date: 19JUN1999 Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL

http://emmsds.ihspsl.com/netacgi/n...sds/search.html&r=1&f=G&Sect3=MRU



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**

	4. Generator Halliburton Energy Services		
1. RCRA Exempt:       □ Non-Exempt:       X         □Verbal Approval Received:       Yes       □ No	5. Originating Site Occidental Denver Unit 4614, Denver City, TX, Yoakum Co.		
2. Management Facility Destination Controlled Recovery Inc.	6. Transporter Halliburton		
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico		
7. Location of Material (Street Address or ULSTR) Occidental Denver Unit 4614	Denver City, TX, Yoakum County		
9. <u>Circle One</u> :			
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste cla approved</li> </ul>	ecessary chemical analysis to PROVE the		
All transporters must certify the wastes delivered are only those consigned for transp	port 262728 -		
BRIEF DESCRIPTION OF MATERIAL:	324,232 39,30,2		
07-03-02 Neutralized HCL acid and contaminated soil generated from a spill.	JUL 202 FLCC VED Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots Hoots H		
Enclosed is certificate of waste status and MSDS data.	FF SI SI EL ZI HOLOS		
Estimated Volume $appx. 4 \frac{1}{2} drums$ cy Known Volume (to be entered by the operator			
SIGNATURE (Armella () An Main ArtITLE : Bookkeeper Waste Management Facility Authorized Agent	لم DATE : <u>07-03-02</u>		
TYPE OR PRINT NAME: Carmella Van Maanen TEL	EPHONE NO: (505) 393-1079		
(This space for State Use)			
	W Geologist DATE: 7/10/02		
APPROVED BY: Munipor M. TITLE: Environment APPROVED BY: Mis Willismi TITLE: Dist. D	DATE: 7/2/02		

DATE: 7/2/02

10141.2/2000 30141 MARRARES

CONFICE OF FERRET

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

COMPANY / GEI	PERATOR Holliburtin Every Services
ADDRESS	5801 Lowing Ton Mary, Habbs In
GENERATING SI	TE accounter - D. V. 4614 - Denver City.
	COUNTY Konkum STATE TK.

TYPE OF WASTE <u>Neutrophysic Hel Beild + Contraining 50-12</u> ESTIMATED VOLUME <u>42 Or um</u> GENERATING PROCESS <u>Perio Trensport Mail R</u>

FERRING UNIVE, resulting in Acid Spill

REMARKS

NMOCD FACILITY CAI

TRUCKING COMPANY Hollsborton Energy Services

As a confiling of acceptance for displace, Fleribly certify dust this write is a non-except works is defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this wave will be analyzed persists to the provisions of 40 CFR Part 261 to verify the aster as non-largerides. I further certify that is my knowledge "hazardons or listed wards" permanent to the provisions of 40 CFR, Part 268, Subparty C and D, then est hear added or used with the wave so as a mathematican minuter a "hazardone waster" permanent to the provisions of 40 CFR, Part 268, Subparty C

AGENTA NAME ADDRESS JED Laconstan 1. Cast DATE 2-1-02



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

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11.1

COMPANY I GENERATOR Holls burter Every Services ADDRESS SEAL LOWING Too Most Holds, MM OENERATING SITE Occubinted - O. M. 4814 - Donar COV. COINTY Yorkum STATE TK.

TYPE OF WASTE Northeling Mch. Main & Contrained South ESTIMATED VOLUME <u>42 Dr. um</u> GENERATING PROCESS <u>A CIG</u> TRANSPORT MALK LERBIDS MELVE, CASULTUR ID BCILL SAIL

REMARKS_____

الجهيم رما المتركز المراق والممد المتعامل الها

4.

NMOCD FACILITY CAT

TRUCKING COMPANY 1/5/16/00 Eurogy Services

As a condition of acceptance for dispress, i hereby actualy that this work is a non-comme works as defined by the Environmental Brotaction Appendy's (EDA) that 1988 Regulatory Determination. To my knowledge, this works will be analyzed parsacration (he provisions of 40 CER Pan 26), to verify the astars as most-legarithms. I further config: that only here the resulting of listed works" persons it to the provisions of 40 CER. Pan 260, Subparts C and D, her not been added or migd with the ways so is to make the resultant minimum of hereinforce works" parsacra to the provisions of 40 CER. The CER, Support C and D, here not been added or migd with the ways so is to make the resultant minimum of hereinforce works" parsacra to the provisions of 40 CER. Support 2643.

AGENT NAME STORY ADDRESS J301 Losine Ton May Stoples, and 882.40 DATE 2-1-02



## Safety Data Sheet (93/112/EC)

## Product Trade Name: HYDROCHLORIC ACID 10-30%

**Revision Date:** 

05/10/2002

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of Substances or Preparation

Product Trade Name: Synonyms: Chemical Family: Application:	HYDROCHLORIC ACID 10-30% None Inorganic acid Solvent	1234 1234 Hotos OCD B202/20 9,903 1234 Hotos OCD B202/20 9,903 Hotos OCD
Company Undertaking Identification	Halliburton Energy Services Hill Park Court, Springfield Drive eatherhead Surrey KT22 7NL United Kingdom Emergency Phone Number: +44 117 927 0086 or +1 713	191 SI DI EU ZU MONOL
Prepared By	Product Stewardship Telephone: 1-580-251-4335	

06272822

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Numbe	PERCENT	UK OEL/MEL	Germany MAK/TRK	Netherlands MAC	EEC Classification
Hydrochloric acid	7647-01-0	10 - 30%	1 ppm	8 mg/m³	5 ppm	C; R34-37

## 3. HAZARDS IDENTIFICATION

**Hazard Overview** May cause eye, skin, and respiratory burns. May be harmful if swallowed. 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. In case of contact, or suspected contact, immediately flush eyes with plenty of Eyes 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. HYDROCHLORIC ACID 10-30% Page 1 of 5

Not Applicable

#### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media None known.

**Special Exposure Hazards** May form explosive mixtures with strong alkalis. Decomposition in fire may produce toxic gases. Reaction with steel and certain other metals generates flammable hydrogen gas. Do not allow runoff to enter waterways.

**Special Protective Equipment for**Full protective clothing and approved self-contained breathing apparatus required **Fire-Fighters** for fire fighting personnel.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures	Use appropriate protective equipment.	
Environmental Precautionary Measures	Prevent from entering sewers, waterways or low areas.	
Procedure for Cleaning/Absorption	Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Neutralize to pH of 6-8. 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 alkalis. Store in a cool well ventilated area. Keep container closed

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

when not in use.

Engineering Controls	Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.
<b>Respiratory Protection</b>	Acid gas respirator.
Hand Protection	Impervious rubber gloves.
Skin Protection	Full protective chemical resistant 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:
Color:
Odor:
pH:
Specific Gravity @ 20 C (Water=1):
Density @ 20 C (kg/l):
Bulk Density @ 20 C (kg/m ³ ):
Boiling Point/Range (C):

Pungent acrid 0.8 1.16 1.16 Not Determined 110 HYDROCHLORIC ACID 10-30% Page 2 of 5

Liquid

Clear colorless



,	Freezing Point/Range (C):	-46
	Flash Point/Range (C):	Not Determined
	Flash Point Method:	Not Determined
	Autoignition Temperature (C):	Not Determined
	Flammability Limits in Air - Lower (g/l):	Not Determined
	Flammability Limits in Air - Lower (%):	Not Determined
	Flammability Limits in Air - Upper (g/l):	Not Determined
	Flammability Limits in Air - Upper (%):	Not Determined
	Vapor Pressure @ 20 C (mmHg):	26
	Vapor Density (Air=1):	Not Determined
	Percent Volatiles:	35
	Evaporation Rate (Butyl Acetate=1):	Not Determined
	Solubility in Water (g/100ml):	Soluble
	Solubility in Solvents (g/100ml):	Not Determined
	VOCs (g/l):	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):	36.5
	Decomposition Temperature (C):	Not Determined

## 10. STABILITY AND REACTIVITY

.

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	Strong alkalis.
Hazardous Decomposition Products	Flammable hydrogen gas. Chlorine. Hydrogen sulfide.
Additional Guidelines	Not Applicable

## **11. TOXICOLOGICAL INFORMATION**

Principle Route of Exposure	Eye or skin contact, inhalation.	
Inhalation	Causes severe respiratory irritation.	
Skin Contact	May cause skin burns.	
Eye Contact	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.	526272829.3
Toxicity Tests		la la sa
Oral Toxicity:	Not determined	
Dermal Toxicity:	Not determined	
Inhalation Toxicity:	Not determined CC LC50: 3124 ppm/1 hr. (Rat)	Ë G
	HYDROCHLORIC ACID 10-30%	

HYDROCHLORIC ACID 10-30% Page 3 of 5

Primary Irritation Effect:Not determinedCarcinogenicityNot determinedGenotoxicity:Not determinedReproductive /<br/>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: Acute Crustaceans	Not determined Not determined
Toxicity: Acute Algae Toxicity:	Not determined
Chemical Fate Information	Not determined
Other Information	Not applicable

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method** Disposal should be made in accordance with federal, state, and local regulations.

**Contaminated Packaging** 

Follow all applicable national or local regulations.

## 14. TRANSPORT INFORMATION

## Land Transportation

ADR UN1789,Hydrochloric Acid Solution, 8, II

## **Air Transportation**

ICAO/IATA Hydrochloric Acid Solution, 8, UN1789, II

## Sea Transportation

IMDG Hydrochloric Acid Solution, 8, UN1789, II EMS 8-03

## **Other Shipping Information**

Labels:

Corrosive



HYDROCHLORIC ACID 10-30% Page 4 of 5

, ( · · * .	EC Supply labeling Requirements Classification	This product is subject to the labeling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended. C - Corrosive.
	Risk Phrases	R34 Causes burns. R37 Irritating to respiratory system.
	Safety Phrases	<ul> <li>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</li> <li>S45 In case of accident or if you feel unwell, seek medical advice immediately.</li> <li>S1/2 Keep locked up and out of reach of children.</li> <li>S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.</li> </ul>
	EINECS Inventory	This product, and all its components, complies with EINECS
	Germany, Water Endangering Classes (WGK)	WGK 1: Low hazard to waters.

## 16. OTHER INFORMATION

The following sections have Not applicable	e been revised since the last issue of this MSDS
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***



HYDROCHLORIC ACID 10-30% Page 5 of 5

## HALLIBURTON

## Safety Data Sheet (93/112/EC)

K-34

**Revision Date:** 

23/04/2001

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

## Identification of Substance or Preparation

Product Trade Name:K-34Synonyms:NoneChemical Family:CarbonateApplication:Buffer

### **Company Undertaking Identification**

Halliburton Energy Services Hill Park Court, Springfield Drive Leatherhead Surrey KT22 7NL United Kingdom

Emergency Phone Number: +44 117 927 0086 or +1 713 676 3000

#### **Prepared By**

Product Stewardship Telephone: 1-580-251-4335

2. COMPOSITION/INF	ORMATION C	ON INGRED	IENTS		
Substance	<u>Weight</u> Percent (%)	<u>UK</u> OEL/MEL	Germany MAK/TRK	Netherlands MAC	EEC Classification
Sodium bicarbonate 144-55-8	60 - 100%	10 mg/m3	Not applicable	Not applicable	Not applicable

## 3. HAZARDS IDENTIFICATION

### **Hazard Overview**

May cause eye, skin and respiratory irritation.



к-34 Page 1 of 6

## 4. FIRST AID MEASURES

#### Inhalation

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

#### 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 25 minutes and get medical attention if irritation persists.

#### Ingestion

Under normal conditions, first aid procedures are not required.

#### **Notes to Physician**

Not Applicable

### 5. FIRE FIGHTING MEASURES

#### Suitable Extinguishing Media

All standard fire fighting media

#### Unsuitable Extinguishing Media None known

## Special Exposure Hazards

Not applicable.

## **Special Protective Equipment for Fire-Fighters**

Not applicable.

#### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal Precautionary Measures**

Use Appropriate protective equipment. Avoid creating and breathing dust.

#### **Environmental Precautionary Measures**

None known.

#### **Procedure for Cleaning/Absorption**

Scoop up and remove.

## 7. HANDLING AND STORAGE

#### Handling Precautions Avoid creating or inhaling dust.

#### **Storage Information**

Store away from acids. Store in a dry location.



K-34 Page 2 of 6

#### **Engineering Controls**

A well ventilated area to control dust levels. Local exhaust ventilation should be used in areas without good cross ventilation.

#### **Respiratory Protection**

Not normally needed. But if significant exposures are possible then the following respirator is recommended. Dust/mist respirator.

#### **Hand Protection**

Normal work gloves.

#### **Skin Protection**

Normal work coveralls.

#### **Eye Protection**

Wear safety glasses or goggles to protect against exposure.

#### **Other Precautions**

None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Colour: Odour: pH: Specific Gravity @ 20 C (Water=1): Density @ 20 C (kg/l): Bulk Density @ 20 C (kg/l): **Boiling Point/Range (C):** Freezing Point/Range (C): Flash Point/Range (C): **Flash Point Method:** Autoignition Temperature (C): Flammability Limits in Air - Lower (g/l): Flammability Limits in Air - Lower (%): Flammability Limits in Air - Upper (g/l): Flammability Limits in Air - Upper (%): Vapour Pressure @ 20 C (mmHg): Vapour Density (Air=1): **Percent Volatiles:** Evaporation Rate (Butyl Acetate = 1): Solubility in Water (g/100ml): Solubility in Solvents (g/100ml): VOCs (g/l): Viscosity, Dynamic @ 20 C (centipoise): Viscosity, Kinematic @ 20 C (centistrokes): Partition Coefficient/n-Octanol/Water: Molecular Weight (g/mole): **Decomposition Temperature (C):** 

Solid White Odourless 8 1.87 Not Determined Not determined. Soluble Not Determined Not Determined Not Determined Not Determined Not Determined

Page 3 of 6

K-34

Not Determined

Not Determined



## **10. STABILITY AND REACTIVITY**

Stability Data:

#### Stable

Hazardous Polymerisation: Will Not Occur

Conditions to Avoid None anticipated

Incompatibility (Materials to Avoid) Strong acids.

## **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 mild respiratory irritation.

#### Skin Contact

May cause mild skin irritation.

#### Eye Contact

May cause eye irritation.

#### Ingestion

None known

#### 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:** 

LD50: 4220 mg/kg (Rat)

**Dermal Toxicity:** 

Not determined.

Inhalation Toxicity:

Not determined



к-34 Page 4 of 6

Primary Irritation Effect:	Not determined	
<b>Carcinogenicity:</b> Not determined		
Genotoxicity:	Not determined	
Reproductive/Developmental Toxicity:	Not determined	
12. ECOLOGICAL INFORMAT	ION	

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**

Bury in a licensed landfill according to federal, state, and local regulations.

Contaminated Packaging

Follow all applicable national or local regulations.

## 14. TRANSPORT INFORMATION

## Land Transportation

ADR Not restricted

**Air Transportation** 



к-34 Page 5 of 6 ICAO/IATA Not restricted

1. 3.

#### **Sea Transportation**

IMDG Not restricted

Labels:

## **Other Shipping Information**

.....

### 15. REGULATORY INFORMATION

None

#### EC Supply labelling Requirements:

This product is not subject to the labelling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended.

Classification Not Determined

Risk Phrases None

#### **Safety Phrases**

None

#### **EINECS Inventory**

All components are listed on the inventory.

#### Germany, Water Endangering Classes (WGK):

WGK 1: Low hazard to waters.

## **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 c

***END OF MSDS***

20212223 1230

K-34 Page 6 of 6 District I i 625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. 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: D Non-Exempt: X	4. Generator Navajo Refining Co.
□Verbal Approval Received: Yes □ No X	5. Originating Site El Paso Facility
2. Management Facility Destination Controlled Recovery Inc.	6. Transporter BES or CRI
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 1000 East Side Dr. El Paso	Texas

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:

06-28-02

Rust/Scale generated from cleaning tanks for maintenance and inspection.	Rust and	2526272825	30.
scale is from inside the tanks.	200	ger A	- 23

Enclosed is certificate of waste status, analytical data, chain of custody, and process of knowledge letter. This waste stream has been approved in the past.

Estimated Volume appx. 60 yards cy Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE <u>Calmelle</u> Waste Management Fa	acility Authorized Agent	TITLE <u>:</u>	Bookkeeper	DATE :	06-28-02

TYPE OR PRINT NAME: Carmella Van Maanen

_ TELEPHONE NO: (505) 393-1079

Hobbs OCD ي. ۲0

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

COMPANY / GENERATOR: Navajo Refining Company

ADDRESS: 1000 East Side Dr. El Paso TX, 79915-1004

GENERATING SITE: Navajo Refining Company

COUNTY: EL Paro

STATE: TX

TYPE OF WASTE: Tank 212 Rust/Scale

ESTIMATED VOLUME: 3 Roll Off

GENERATING PROCESS: _______ Tenk was cleaned for maintenance and for inspection. This is the rust and scale from inside the tanks.

REMARKS: This waste has been OCD approved in the past and is generated on a regular basis at our other facilities.

NMOCD FACILITY: Controlled Recovery Incorportated

TRUCKING COMPANY; _____BES Rental in 20 yard roll off bins

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 (BPA) 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:	Institu	
	SIGNATURE	
NAME:	Charolio Plymale	
	PRINTED	
ADDRESS:	SOI BAST MAIN	
	ARTESIA, NM 82210	
DATE:	6-28-02	

**NO' 402 6' 3** NO' 451 6' 5 
 nnr. 51. 5005
 5:235W
 ENGINEERING

 nnr. 58. 5005
 6:518W
 ENGINEERING



## **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 68211-0159 TELEPHONE (505) 748-3311 FAX (505) 746-5419 ACCOUNTING (505) 746-5451 EXEC/MKTG (505) 746-5451 ENGINEERING (505) 746-5480 PIPELINE

Ken Marsh CRI P.O. Box 388 Hobbs, NM 88241 6/27/02

I would like to profile rust and scale from TK 212 at our El Paso facility for disposal at CRI.

The above waste is Non Hazardous material that would be transported in 20 yard roll off bins by CRI, or BES Rentals. Included you will find a Certification of Waste Status and Analysis of TK 212 rust and scale.

Sincerely,

Charlie Plymale Environmental Specialist

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TraceAnalysis, Inc.	6701 Aborde	en Avc., Suite 9	Lubbock, T	X 79424-1515	(806) 794-1296
Report Date: June N/A	27, 2002Order Number N/	r: A02061214 A		F	age Number: 1 of Tank 212 Botton
		Summary	Report	рни ус	UNG BLOOD
Don Hooliban				Report Date:	June 27, 2002
Navajo Refining Od 1000 East Side El Paso, Tx. 7991				Order ID Numbe	er: A02061214
Project Number: Project Name: Project Location:	N/A N/A Tank 212 Bottome				
Sample	Description	Malrix _	Date Taken	Time Tøken	Date Received
199080	Tank 212 Bottoms	Liquid /30	ale 6/10/02	16:00	6/11/02

This report consists of a total of 2 page(a) and is intended only as a summary of results for the sample(B) listed above.

Sample: 199080 - Tank 212 Bottoms Param	Flag	Result	Units
Corrosivity		<b>10 10</b>	1
Corrosivity (EPA limit = $>6.5$ mm/yr)		4043 non-corrosive	mm/yi
pH (BPA limit = <2 >1.2.5)		6.9	s.v. F
Plashpoint (EPA limit = >140 F)		110	F
Reactivity			
Reactivity		Non-reactive	
Hydrogen Sulfide (BFA limit = 500)		<10	mg/L
Hydrogen Cyanide (BPA limit = 250)		<2.5	ng/L
TCLP Morcury (EPA limit = 0,20)		<0.010	mg/L
TCLP Metals			
TCLP Arsenic (EPA limit = 5.0)		<0.500	π.g/L
TCLP Barium (EPA limit = 100.0)		<1.00	mg/L
TCLP Cadmium (EPA limit = 1.0)		<0.050	mg/L
TCLP Chromium (EPA limit = 5.0)		<0.100	mg/L
TCLP Lead (EPA limit = 5.0)		<0,100	mg/L
TCLP Selenium (EPA limit = $1.0$ )		<0.500	mg/L
TCLF Silver (BPA limit = 5.0)		<0.125	mg/J.
TCLP Semivolatiles			
Pyridine (EPA limit = 5.0)		<0.05	mg/L
1,4-Didilorobenzenø (EPA limit = 7.5)		<0.05	mg/J.
o-Cresol (EPA limit = $200.0$ )		<0,05	mg/L
m,p-Cresol (EPA limit = 200.0)		<0.05	mg/L
Hexachloroethane (EPA limit = 3.0)		<0.05	mg/L
Nitrobenzens (EFA limit $= 3.0$ )		<0.05	mg/L
Hexachlorobutadiene (BPA limit = 0.5)		<0.05	mg/L
2,4,6-Trichlorophenol (EPA limit = 2.0)		<0.05	mg/L
2,4,5-Trichlorophenol (EFA limit = 400.0)		<0.05	mg/L
2,4-Dinitrotoluene (EPA limit = 0.15)		<0.05	mg/L

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- 1

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: June 27, 2002Order Number: A02061214 N/A N/A Page Number: 2 of 2 Tank 212 Bottoms

Sample 199080 continued ....

Param	Flag	Result	Unita
2.4  D (EPA limit = 10.0)		<0,05	mg/L
Hexachlorobenzene (EPA limit = 0.13)		<0.05	mg/L
2,4,5-TP (EPA limit = 1.0)		<0.05	mg/L
Pentachlorophenol (EFA   mit = 100.0)		<0.05	mg/1.
TCLP Volatiles			(
Vinyl Ohloride (EFA limit = 0.20)		<0.05	ng/L
1,1-Dichloroethene (BPA limit = 0.70)		<0.05	mg/L
Methyl othyl ketone (EPA limit = 200.0)		<0.50	mg/L
Chloroform (EPA limit = 6.00)		<0.05	mg/L
1,2-Dichloroethane (EDC) (EPA limit = 0.50)		<0.05	шg/L
Bonzene (EPA limit $= 0.50$ )		0.25	mg/L
Carbon Tetrachloride (EPA limit = 0.50)		<0.05	mg/L
Trichloroethone (TCE) (EPA limit = 0.50)		<0.05	mg/L
Tetrachloroethens (PCE) (EPA limit = $0.70$ )		<0.05	mg/L
Chlorobenzene (EPA limit = 100.00)		<0.05	mg/L
1,4-Dichlorobenzene (BPA limit = 7.80)		<0.05	mg/L

PHIL YOUNG BLOOD 1 OF 3 PASES

Click R 100         Page           Page         Page <td< th=""></td<>

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100.27.2002 2:59PM ENGINEERING

, <u>P</u>0037003





501 E Main St. P.O. Box 159 Artesia NM., 88210 Phone-(505) 748-3311

Engineering Department Fax-(505)746-5421

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## Fax

Company Na	me <u>:</u>			
To: Car	mella	From:	Charlie	Dumale
Fax: 5	15 393 36	15 Pages:	6	(Including cover sheet)
Phone:		Date:	6/27/02	······
Re:	······	CC:		······································
🛙 Urgent	🗆 For Review	🗆 Pleasø Comment	🗆 Please Reply	🗆 Please Recycle

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IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL LISA AT 505-746-5270

Comments:______

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District IState of New Mexico1625 N. French Dr., Hobbs, NM 88240Energy Minerals and Natural Resou1301 W. Grand Avenue, Artesia, NM 88210Oil Conservation Division1000 Rio Brazos Road, Aztec, NM 874100il Conservation Division1220 S. St. Francis Dr., Santa Fe, NM 87505Santa Fe, NM 87505	
REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt:       □       Non-Exempt:       X	<ol> <li>Generator Quail Tools</li> <li>Originating Site Odessa Facility</li> </ol>
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) 400 Alabama, Odessa	Texas
<ul> <li>9. <u>Circle One</u>:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accompanied by n material is not-hazardous and the Generator's certification of origin. No waste cla approved</li> <li>All transporters must certify the wastes delivered are only those consigned for transp</li> <li>BRIEF DESCRIPTION OF MATERIAL:</li> <li>05-28-02A</li> <li>Caustic vat sludge generated from emptying spent fluid/solids from a caus</li> <li>Enclosed is certificate of waste status, analytical data, and chain of custody</li> </ul>	tic vat. y to extend
this process through the year 2003. Estimated Volume appx. 10 cu. yards yearly cy Known Volume (to be entered by th SIGNATURE Waste Management Facility Authorized Agent TYPE OR PRINT NAME: Carmella Van Maanen TEL	the operator at the end of the haul) cy
(This space for State Use) APPROVED BY: Martin 24. TITLE: Environment APPROVED BY: Mortin 24. TITLE Environment	41/2000 DATE: 6/12/02

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**CERTIFICATE OF WASTE STATUS** 

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NON-EXEMPT WASTE MATERIAL "AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"
COMPANY/GENERATORQueil Tools
ADDRESS 400 Alabama, Odessa, TX 79762
GENERATING SITE Same as above
COUNTY Ector STATE IX
TYPE OF WASTE Caustic vat sludge
ESTIMATED VOLUME 10 Cu/4ds/ Year
GENERATING PROCESS Emptying spect find/souids
from a Caustic Vat
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 Agéncy'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.
NAME <u>Jeren Dames</u> PRINTED ADDRESS # 9 E Industrial Loups
ADDRESS # 9 E Industain Loup

05/24/2002 15:00 05/23/2002 10:02

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Midland, Tx 79701

DATE 5/13/01
LP ENVIRONMENTAL

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LAB C		, <b>I</b> NC	

"Don't Treat Your Soil Like Dirt!"

LLANO-PERMIAN ENVIRONMENTAL ATTN: TERRY JAMES 1031 ANDREWS HWY, #115 MIDLAND, TEXAS 79701 FAX: 522-2180

Sample Type: Sludge Sample Condition: Intact/ 30 deg C Project Name: Quall Tool Project #: Caustic Vat Project Location: Odessa, TX

Sampling Date: 10/02/01 Receiving Date: 10/02/01 Analysis Date: 10/04/01 Analysis Date: Hg 10/03/01

PROJECT # QJ

REPORTS
FIELD NOTES
ANALYTICAL

DRAWINGS

I INVOICES

CORRESPONDENCE

TCLP METALS (mg/L)

ELT#	Field Code	Ag	As	Ва	Cď	Cr	Hg	Pb	Se
0101694-01	QT 001	ND	0.113	2.85	0,017	0.740	ND	0,424	0.104

REPORT LIMIT	0.002	0.008	0.001	0.001	0.002	0.002	0.011	0.004
QUALITY CONTROL TRUE VALUE % INSTRUMENT ACCURACY SPIKED AMOUNT	0.965 1.00 97	1.02 1.00 102	0.990 1.00 99	0.984 1.00 98	0.963 1.00 95	0.015 0.015 101	0.998 1.00 100	1.03 1.00 103
ORIGINAL SAMPLE SPIKE SPIKE DUP % EXTRACTION ACCURACY	1.00 <0.002 1.19 1.16 119	0,200 <0.008 0.208 0.208 115	1.00 0.205 1.29 1.31 109	0.200 0.002 0.172 0.176 85	1.00 0.015 0.810 0.811 80	0.015 <0.002 0.017 0.016 106	1.00 0.019 1.00 1.01 98	0.200 <0.004 0.240 0.240 119
BLANK RPD	<0.002 2.90	<0.008 0.19	<0.001 1.38	<0.001 2.01	<0.002 0.17	<0.002 6.69	<0,011 0.73	<0.004 0.21

ND= Not detected at report limit.

METHODS: EPA SW 846-1311, 3005, 7470, 6010B

Ć Raland K. Tuttle

9-01 Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soll Like Dirt!"

LLANO-PERMIAN ENVIRONMENTAL ATTN: TERRY JAMES 1031 ANDREWS HWY, #115 MIDLAND, TEXAS 79701 FAX: 522-2180

SampleType: Sludge Sample Condition: Intact/ 30 deg C Project Name: Quall Tool Project #: Caustle Vat Project Location: Odessa, TX

Sampling Date: 10/02/01 Receiving Date: 10/02/01 Analysis Date: 10/03/01

ELT#	FIELD CODE	TPH mg/kg	
0101694-01	QT 001	18400	

QUALITY CONTROL
TRUE VALUE
% INSTRUMENT ACCURACY
SPIKED AMOUNT
ORIGINAL SAMPLE
SPIKE
SPIKE DUP
% EXTRACTION ACCURACY
BLANK
RPD

507 506

METHODS: EPA 418.1

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ENVIRONMENTAL LAB OF , Inc.

"Don't Treat Your Soil Like Dirt!"

LLANO-PERMIAN ENVIRONMENTAL ATTN: TERRY JAMES 1031 ANDREWS HWY. #115 MIDLAND, TEXAS 79701 FAX: 522-2133

Sample Type: Sludge Sample Condition: Intact/ 30 deg. C Project Name: Quail Tool Project #: Caustic Vat Project Location: Odessa, TX

Sampling Date: 10/02/01 Receiving Date: 10/02/01 Analysis Date: 10/04/01

5 ( <b>T</b> 1)		GRO C6-C10	DRO >C10-C28	Total TPH		
ELT#	FIELD CODE	mg/kg	mg/kg	mg/kg	· .	
0101694-01	QT 001	1480	2620	4100		

QUALITY CONTROL	509	525	1034
TRUE VALUE	500	500	1000
% INSTRUMENT ACCURACY	102	105	103
SPIKED AMOUNT	476	476	952
ORIGINAL SAMPLE	<25	<25	<25
SPIKE	569	599	1168
SPIKE DUP	536	57 <b>7</b>	1113
% EXTRACTION ACCURACY	113	121	117
BLANK	<25	<25	<25
RPD	5.97	3.74	4.82

Methods: TNRCC 1005

Raland K.

9-01 Date

ENVIRONMENTAL LAB OF , Inc.

"Don't Treat Your Soil Like Dirtl"ANO-PERMIAN ENVIRONMENTAL ATTN: TERRY JAMES 1031 ANDREWS HWY. #115 MIDLAND, TEXAS 79701 FAX: 522-2180

Sample Type: Sludge Sample Condition: Intact/ 30 deg C Project Name: Quall Tool Project #: Caustic Vat Project Location: Odessa, Texas

Sampling Date: 10/02/01 Receiving Date: 10/02/01 TCLP Extraction: 10/12/01 Analysis Date: 10/15/01 Field Code: QT 001

TCLP EPA SW846 8260B Compounds	REPORT LIMIT	ELT# 0101694-01 mg/L	%EA	%DEV	RPD	
	647 14 I	71197 tu	7064	7002		
Benzene	0.002	0.137	102	-0.4	5	
Carbon tetrachloride	0.002	ND .	104	-2.0	. 0	
Chlorobenzene	0,002	0.003	99	1.5	0	
Chloroform	0.002	ND	112	-2.3	3	
1,4-Dichlorobenzene	0.002	ND	· 94	2.0	8	
1,2-Dichloroethane	0.002	ND	105	4,8	6	
1,1-Dichloroethylene	0.002	ND	112	-9.9	2	
Methyl ethyl ketone	0,020	0.087	62	4.4	9	
Tetrachloroethylene	0.002	ND	74	14.5	1	
Trichloroethylene	0.002	ND	78	1.8	5	· · ·
Vinyl chloride	0.002	ND	112	-1.0	4	

System Monitoring Compounds	% RECOVERY
Dibromofluoromethane	95
1,2-dichloroethane-d4	114
Toluene-d8	204#
4-Bromofluorobenzene	118

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311

Raland K. Tuttle

ローこターイ Date

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ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

LLANO-PERMIAN ENVIRONMENTAL ATTN: TERRY JAMES 1031 ANDREWS HWY. #115 MIDLAND, TEXAS 79701 FAX: 522-2180

Sample Type: Sludge Sample Condition: Intact/ 30 deg C Project Name: Quail Tool Project #: Caustic Vat Project Location: Odessa, Texas Sampling Date: 10/02/01 Receiving Date: 10/02/01 Analysis Date: See Below

		REACTIVITY	CORROSIVITY	IGNITABILITY	
		H2S CN-			
ELT#	Field Code	mg/kg mg/kg	(5.u.)	deg C	
0101694-01	QT 001	<100 <50	13.72	>100	

QUALITY CONTROL TRUE VALUE % INSTRUMENT ACCURACY SPIKED AMOUNT ORIGINAL SAMPLE SPIKE % EXTRACTION ACCURACY BLANK RPD	7.92 13.6 58 13.6 <5.0 8.11 60 <5.0 4.28	0.087 0.100 87 0,100 <0.09 0.084 84 <0.09 0	9.93 10.0 99 N/A N/A N/A N/A 0.26	N/A N/A N/A N/A N/A N/A 0.0
ANALYSIS DATE	10/10	10/05	10/03	10/11

METHODS: EPA SW-846 1010M,9045, 9030, 7.3.4.2

de Tuttle

10-29-01 Date

LP ENVIRONMENTAL

ENVIRONM ENTAL LAB OF , INC.

> "Don't Treat Your Soil Like Dirt!" ATTN: TERRY JAMES 1031 ANDREWS HWY. #115 MIDLAND, TEXAS 79701

FAX: 522-2180

Sample Type: Sludge Sample Condition: Intact/ 30 deg C Project Name: Quail Tool Project #: Caustic Vat Project Location: Odessa, Texas

Sampling Date: 10/02/01 Receiving Date: 10/02/01 TCLP Extraction: 10/12/01 Analysis Date: 10/25/01 Field Code: QT 001

	REG.	REPORT	ELT#	4. P. P. (		220	
SEMIVOLATILE ORGANICS (mg/L)	LIMIT	LIMIT	0101694-01	%DEV	%EA	RPD	 
2-Methylphenol	200	0.005	0.006	-13.0			
4-Methylphenol	200	0.005	0.008	-15.4			
1,4-Dichlorobenzene	7.5	0.005	ND	-3.2	53	1	
2, 4-Dinitrotoluene	0.13	0.005	ND	-12.7	36	6	
Hexachlorobenzene	0.13	0.005	ND	7.1			
Hexachlor-1, 3-butadien	0.5	0.005	ND	1.3			
Hexachloroethane	3	0.005	ND	-11.9			
Nitrobenzene	2	0.005	ND	-10.5			
Pentachlorophenol	100	0.005	ND	~6.4	28	16	
Pyridine	5	0.005	ND	28.5			
2,4,5-Trichlorophenol	400	0.005	ND	-3.8			
2,4,6-Trichlorophenol	2	0.005	· ND	-8,9			

ND= NOT DETECTED, < REPORTING LIMIT SYSTEM MONITORING COMPOUNDS 2-Fluorophenol Phenol-d5 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol p-Terphenyl-d14

Method: SW 846-8270C,1311

dk Too Raland K. Tuttle

10-29-01 Date



06/12/2002 07:16 15053933615 85/11/2002 17:21 9155203844 Jun 11 02 04:36p

## ANALYTICAL REPORT

### Prepared for:

TERRY JAMES LLANO PERMIAN ENVIRONMENTAL **#9 EAST INDUSTRIAL LOOP** MIDLAND, TX 79701

Quail Tool Vat Disposal Project: G0203614 Order#: Report Date: 06/11/2002

Certificates US EPA Laboratory Code TX99158

ENVIRONMENTAL LAB OF TEXAS & LTD.

12600 West 1-20 East, Odesta, TX 79765 Ph; 915-563-1800

65/11/2002 17:21 9155203844 Jun 11 02 04:36p

LP ENVIRONMENTAL

p.2

## ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

LLANO PERMIAN ENVIRONMENTAL #9 EAST INDUSTRIAL LOOP MIDLAND, TX 79701 522-2180 Order#:G0203614Project:QUT.001.GCIProject Name:Quail Tool Vat DisposalLocation:Odessa, TX

The samples listed below were submitted to Berriconmental Lab of Texas and were received under chain of custody. Bovicosmontal Lab of Texas makes no representation or transportation/hundling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u> 0203614-01	Sample : Caustle Vat Water	Matrix: Water	Date / Time <u>Collected</u> 6/11/02 11:00	Date / Time Rectived 6/11/02 11:16	Container 2 og yesse	<u>Presspontiva</u> None
Let	Terdner	Rejected: No	Tra	₽1 25.0 C		
	pH			•		

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12640 West 1-20 East, Odenia, TX 79765 Pb: 915-563-1800

05/11/2002 17:21 1000 9155203844 Jun 11 02 04197p

LP ENVIRONMENTAL

p.3

#### ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT G#203614 TERRY JAMES Order#: Project: QUILD1.GCI LLANO PERMIAN ENVIRONMENTAL Project Name: Quail Taol Vat Disposal **#9 EAST INDUSTRIAL LOOP** Locations Oderes, TX MUDLAND, TX 70761 0203614-01 Lab ID; Sample ID: Caustic Vat Water Date Test Parameters Dilution Analyzana Analysi <u>RL</u> Method Factor Reants Laits Parameter 6/11/02 N/A 150.1 SD 9.37 pH Units ۱ pĦ Approveli Raland K. Tutita, Lab Diractor, QA Offic Chiey (), Keese, Org. Tout, Director Jeanne Meivianrey, Inorg. Tech. Director Sandre Rissugha, Lab Tech. Sant Meiling, Lab Tech. M Date

RL + Reporting Litoit N/A = Not Applicable ENVIRONMENTAL LAB OF TEXAS I, LTD. Page 1 of 1

12600 West 1-28 East. Odesse, TX 79765 Ph: 915-563-1800

06/12/2002 07:16 15053933615 <u>966/11/2002 17:21 9155203844</u> Jun 11 02 04:37p LP ENVIRONMENTAL

p.4

## ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0203614

DUPLICATE WATER	LAB-10 A	Semple Concentr.	Splke Cuncentr.	QC Test Result	Pet (%) Recovery	rpd
PHTH Units	0203623-01	8.77	,	8.81		0.5%
SRM WATER	LAB-ID #	Satople Concentr.	Spike Cancentr.	QC Test Result	Pct (%) Recovery	ryd
pH-pH Units	0001965-04		10	10.03	100.3%	

ENVIRONMENTAL LAB OF TEXAS & LTD.

12600 West 1-19 East, Odesus, TX 79765 Phr 915-563-1800



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414:40 SD 11 NUL

PAGE US

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CONTROLLED RECOVERY

06/12/2002 06/11/2002

5 . Sec.

07:16 17:21

	Roger Anderson
Matrict I - (505) 393-6161New MexicoO Jox 1980Energy Minerals and Natural ResourceJ. 5. FirstOil Conservation DivisionArtesia, NM 882102040 South Pacheco StreetVict III - (505) 334-6178Santa Fe, New Mexico 87505Rio Brazos Road(505) 827-7131	MAR 0 4 2002 Submit Origin
REQUEST FOR APPROVAL TO ACCEPT	
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator THRIFTWAY Corp.
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site THEIFTURY REFINITY
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Ewuinsteck
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Nue alagoico
7. Location of Material (Street Address or ULSTR)	Country Roard 5500 Bloomfield Nal.
9. <u>Circle One</u> :	
Salpjear 2/17	I for transport. SS (LAGOONS ST 20 70 SEB 2002 SC VED SOM DIV DIST. 3 SOM
Estimated Volume cy Known Volume (to be entered by the oper	rator at the end of the haul) Cy
SIGNATURE: <u>Harlan M. Brown</u> TITLE: <u>Landfarm Ma</u> TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TELE	anager DATE: <u>2.28- ∞2</u> EPHONE NO. 505-632-0615
(This space for State Use)	
APPROVED BY: TITLE:	DATE:
APPROVED BY: Man Shy TITLE	41 Ceologist DATE: 6/11/02

BIOTECH REMEDIATION

PAGE 03

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## NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO SRAZOS ROAD AZTEC, NEW MEXICO 27410 (\$0\$) 334-8176 Fax (505)334-8178

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

· · · · · · · · · · · · · · · · · · ·	
1. Generator Name and Address:	2. Destination Name:
Thirffway Co.	Envirotech Scil Remediation Facility
MINT TOVAL	Landfarm #2
501 Arrout. U- our 100	Hilltop, New Mexico
501 Arport. Dr- Suite 100 Farmington NM 87401	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Thrittway Bloomfield Refiner	1
Attach list of originating sites as appropriate 4. Source and Description of Waste	
4. Scorce and Description of Waste	·
Dond Sludge	
1. TERRY Griffin	representative for;
(Print Name)	
BIOTECH REMEDIATI	on do hereby certify that,
according to the Resource Conservation and Recover 1988, regulatory determination, the above described	ry Act (RCRA) and Environmental Protection Agency's July,
	IPT olifield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or nor	n-exempt non-hazardous waste defined above.
En AIMALEY EMPT where the following doguments	tion is attached labook appropriate items).
For NON-EXEMPT waste the following documental	
MSDS Information	Other (description):

- RCRA Hezerdous Waste Analysis
- Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature) indutin Title: Date: -0



GARY E. JOHNSON GOVERNOR

### State of New Mexico ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau 2905 Rodeo Park Drive East, Building 1 Santa Fe, New Mexico 87505-6303 Telephone (505) 428-2500 Fax (505) 428-2567 www.nmenv.state.nm.us

### CERTIFIED MAIL RETURN RECEIPT REQUESTED

May 31, 2002

EnviroTech Inc. 5796 U.S. Highway 64 Farmington, New Mexico 87401



PETER MAGGIORE SECRETARY

#### RECEIVED

JUN 0 4 2002 Environmental Bureau

Oil Conservation Division

### SUBJECT: WASTE STATUS DETERMINATION THRIFTWAY BLOOMFIELD REFINERY SAN JUAN COUNTY, NEW MEXICO TR-02-001 (NMOCD DISCHARGE PLAN NUMBER GW-055)

Attention: Mr. Harlan Brown Mr. Morris Young

The New Mexico Environment Department (NMED) Hazardous Waste Bureau has reviewed the information regarding the disposal history of the surface impoundments and crude oil storage tank sump waste provided in your letter dated May 3, 2002. Based on the information provided in the attached letter from BioTech Remediation, dated April 10, 2002, the residual sludge was deposited in the surface impoundments prior to the May 1991 listing of petroleum refinery primary and secondary oil/water/solids separation sludge and is not considered to be listed as F037 and F038 waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.31). In addition, information provided by you during our February 14, 2002 site meeting at the refinery facility indicated that the wastewater was not treated in an API separator prior to discharge to the surface impoundments; therefore, the sludge also does not contain K051 waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.32).

The BioTech Remediation letter also states that the crude oil tanks and sumps have not been used since December 1998. Based on the information provided in the letter, the sludge in the sumps was deposited prior to the February 1999 listing of crude oil storage tank sediment from refining operations and is not considered to be K169 listed waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.32). The waste from the sumps and surface impoundments must be handled as hazardous waste if chemical analysis indicates any characteristic of hazardous waste as defined in 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart D). In addition, waste disposal activities

EnviroTech, Inc. May 31, 2002 Page 2

must comply with all New Mexico Energy, Minerals & Natural Resources Department Oil Conservation Division requirements for waste handling, treatment and disposal.

Please call this office at (505) 428-2553 if you have questions regarding this determination or if conditions change that might affect the status of the waste.

Sincerely,

Dave Cobrain, R.P.G. Geologist Permits Management Program Hazardous Waste Bureau

DWC

cc: James Bearzi, HWB John Kieling, HWB Debby Brinkerhoff, HWB Martyne Kieling OCD Terry Griffin, BioTech Remediation Pam Allen, HWB

Tracking: Blue File, 2002, Waste Determination, Thriftway Bloomfield Refinery.



May 3, 2002

New Mexico Environment Department Hazardous Waste Bureau Attn: Dave Cobrain, Waster Resource Specialist 2905 Rodeo Park Drive East, Bldg 1 Santa Fe, New Mexico 87505

505-428-2541 Fax 505-428-2567

Re: Revised letter for waste determination for the former Thriftway Refinery near Bloomfield, New Mexico

Dear Mr. Cobrain:

Biotech Remediation has provided a revised letter describing the work they have proposed at the former Thriftway Refinery located near Bloomfield, New Mexico. The letter is attached to this correspondence. Please note that the scope of work has been modified to include cleanup of spills and leaks around several tanks located at the east end of the facility.

If you have further questions regarding this project or if we can be of further service please feel free to contact us at 505-632-0615.

Sincerely,

Envirotech Inc.

Halow We Brown

Harlan M. Brown Geologist / Hydrogeologist New Mexico Certified Scientist #083

CC:

Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401 NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

RECEIVED APR 1 1 2002



501 Airport Drive - Suite 104

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (605) 564-3604

April 10, 2002

Morris Young Envirotech Inc. 5796 US Hwy 64 Farmington, New Mexico 87401

Re: Thriftway Bloomfield Refinery

Dear Morris:

Thriftway is planning to clean several areas at the Bloomfield Refinery for inspection per the current Discharge Renewal Plan. In order to complete the inspection, the sumps and stained soils around several tanks within the tank farm and two lined lagoons will need to be cleaned and the sludge will need to be disposed of in an appropriate manner. It is our understanding that characterization of the waste streams for disposal is dependent on when the storage areas were last used. A Site Plan of the tanks and lagoon liners is attached.

There are several crude oil storage tanks located at the east side of the refinery. A couple of the tanks have concrete sumps ( $6' \times 10' \times 5'$ ) adjacent to them that were used to catch condensed water drawn off the bottom of the tanks, the other tanks had valves which leaked and stained soil needs to be removed. All tanks and associated sumps were last used when they were rented to Giant Industries. The tanks and sumps have not been used since December 1998.

We also need to clean and inspect the lined evaporation lagoons located west of the refinery process unit. To the best of our knowledge the refinery ceased refining operations in December 1990. Process water from the plant has not been added to the evaporation lagoons since refinery operations stopped.

Morris Young April 10, 2002 Page 2

3-02, 3.40

Thank you for your assistance. If you need further information, please contact me at 505-327-4965.

Respectfully,

Terry Opiffin Project Administrator

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RECEIVED

MAR 0 6 2002

Environmental Bureau Oil Conservation Division

March 5, 2002

New Mexico Environment Department Hazardous Waste Bureau Attn: Dave Cobrain, Waster Resource Specialist 2905 Rodeo Park Drive East, Bldg 1 Santa Fe, New Mexico 87505

505-428-2541 Fax 505-428-2567

Re: Waste determination for the former Thriftway Refinery near Bloomfield, New Mexico

Dear Mr. Cobrain:

Biotech Environmental and the Thriftway Corporation have contracted Envirotech to clean sediments and sludge from lined evaporation ponds at the west end of the facility and concrete sumps at the east end of the facility to facilitate inspection. We are aware that some refinery wastes have been "Listed" as "F" or "K" wastes in recent changes to the Code of Federal Regulations. Ms. Terry Griffin has provided a letter (attached) indicating when the subject sumps and ponds were last in service. Based on her submittal and your inspection of the ponds and sumps on February 14, 2002 we would appreciate your determination as to the status of the waste streams at each of the process areas.

Decisions regarding waste disposal or remediation will be based on whether the waste is listed, characteristic, or non-exempt with no hazardous characteristics. We also request that you copy your determination to Biotech Remediation and to Martyne Kieling of the New Mexico Oil Conservation Division (NMOCD).

If you have further questions regarding this project or if we can be of further service please feel free to contact us at 505-632-0615.

Sincerely,

Envirotech Inc.

Harlan Mi Bron

Harlan M. Brown Geologist / Hydrogeologist New Mexico Certified Scientist #083

CC:

Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401 NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

#### RECEIVED

### MAR 0 6 2002

Environmental Bureau Oil Conservation Division

February 25, 2002

Morris Young Envirotech, Inc. 5796 U.S. Hwy 64-3014 Farmington, NM 87401

RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the abovereferenced facility was in December of 1998. To the best of my knowledge, the refinery began discontinuing operations in December 1990 and January 1991.

Thank you for your assistance. If you need any other information, please contact me at 505-327-4965.

Respectfully,

in Project Administrator

Cc: File



501 Airport Drive - Suite 104

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (505) 564-3604

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Co, T.	Jan 19	na 1		Co.	
Dept.				Phone #	
Fax #/	157	10	105	Fax #	



501 Airport Drive - Suite 104

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (505) 564-3604

February 25, 2002

Morris Young Envirotech, Inc. 5796 U.S. Hwy 64-3014 Farmington, NM 87401

RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the abovereferenced facility was in December of 1998. To the best of my knowledge, the refinery began discontinuing operations in December 1990 and January 1991.

Thank you for your assistance. If you need any other information, please contact me at 505-327-4965.

Respectfully,

Griffin Тө Pre Administrator

Cc: File

February 22, 2002

Ms. Terry Griffin BioTech 710 East 20th Farmington, NM 87401

Phone: (505) 327-4965

Dear Ms. Griffin,

Enclosed are the analytical results for the sample collected from the location designated as "Thriftway Refinery Lagoons". One solid sample was collected by Envirotech designated personnel on 2/14/02, and received by the Envirotech laboratory on 2/14/02 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 8918. The sample was assigned Laboratory No. 22039 (Evaporation Basin) for tracking purposes.

The sample was analyzed 2/19/02 through 2/20/02 using USEPA or equivalent methods.

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

Respectfully submitted, **Envirotech, Inc.** 

Christine M. Walters

Christine M. Walters Laboratory Coordinator / Environmental Scientist

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CMW/cmw

PRACTICAL SOLUTIONS FOR A DETTREE TOMORROW

### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Thriftway	Project #:	02008-001		
Sample ID:	Evaporation Basin	Date Reported:	02-19-02		
Lab ID#:	22039	Date Sampled:	02-14-02		
Sample Matrix:	Solids	Date Received:	02-14-02		
Preservative:	Cool	Date Analyzed:	02-15-02		
Condition:	Cool and Intact	Chain of Custody:	8918		
Parameter	Result				
IGNITABILITY:	Negative				
CORROSIVITY:	Negative	pH = 8.08			
REACTIVITY:	Negative				
RCRA Hazardous Waste Crite	ria				
Parameter	Hazardous Waste Criterion				
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)				
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5 )				
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)				
Reference:	40 CFR part 261 Subpart C	sections 261.21 - 261.23, July 1, 1992			
Comments: (Biotech, Inc.) Thriftway Refinery Lagoons.					

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

Client:	Thriftway	Project #:	02008-001
Sample ID:	Evaporation Basin	Date Reported:	02-19-02
Laboratory Number:	22039	Date Sampled:	02-14-02
Chain of Custody:	8918	Date Received:	02-14-02
Sample Matrix:	TCLP Extract	Date Extracted:	02-15-02
Preservative:	Cool	Date Analyzed:	02-19-02
Condition:	Cool & Intact	Analysis Requested:	TCLP
		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0096	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0241	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chłorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery			
1	· · · · · · · · · · · · · · · · · · ·	Fluorobenzene	100%			
		1,4-difluorobenzene	100%			
		4-bromochlorobenzene	100%			
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.					
	Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.					
	Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.					

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

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

Comments:

(Biotech, Inc.) Thriftway Refinery Lagoons.

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Review Review

### EPA METHOD 8040 PHENOLS

Client:	Thriftway	Project #:	02008-001
Sample ID:	Evaporation Basin	Date Reported:	02-20-02
Laboratory Number:	22039	Date Sampled:	02-14-02
Chain of Custody:	8918	Date Received:	02-14-02
Sample Matrix:	TCLP Extract	Date Extracted:	02-15-02
Preservative:	Cool	Date Analyzed:	02-20-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	· Percent Recovery		
		2-Fluorophenol 2,4,6-Tribromophenol	98% 99%		
	Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.				
		), Separatory Funnel Liquid-Liquid Extra 346, USEPA, July 1992.	action, Test Methods for Evaluating Solid		
	Method 8040	), Phenols, Test Methods for Evaluating	g Solid Waste, SW-846, USEPA, Sept. 1986.		
Note:	Regulatory L	imits based on 40 CFR part 261 subpa	rt C section 261.24, July 1, 1992.		
Comments:	(Biotech I	nc.) Thriftway Refinery Lagoon	S.		

_ t. Q Analyst

Mistine of Walters Review

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CTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Thriftway	Project #:	02008-001
Sample ID:	Evaporation Basin	Date Reported:	02-20-02
Laboratory Number:	22039	Date Sampled:	02-14-02
Chain of Custody:	8918	Date Received:	02-14-02
Sample Matrix:	TCLP Extract	Date Extracted:	02-15-02
Preservative:	Cool	Date Analyzed:	02-20-02
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. References: Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

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

Comments: (Biotech Inc) Thriftway Refinery Lagoons.

C. Q.

/ Wistin m Wallers_ Review

PRACTICAL SOLUTIONS FOR A BEITTER TOMORROW

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

Thriftway	Project #:	02008-001
Evaporation Basin	Date Reported:	02-19-02
22039	Date Sampled:	02-14-02
8918	Date Received:	02-14-02
TCLP Extract	Date Analyzed:	02-19-02
Cool	Date Extracted:	02-15-02
Cool & Intact	Analysis Needed:	TCLP metals
	Evaporation Basin 22039 8918 TCLP Extract Cool	Evaporation BasinDate Reported:22039Date Sampled:8918Date Received:TCLP ExtractDate Analyzed:CoolDate Extracted:

		Det.	Regulatory
	Concentration	Limit	Level
Parameter	(mg/Ľ)	(mg/L)	(mg/L)

Arsenic	0.005	0.001	5.0
Barium	2.27	0.001	100
Cadmium	0.010	0.001	1.0
Chromium	0.665	0.001	5.0
Lead	0.943	0.001	5.0
Mercury	0.002	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	0.004	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

(Biotech, Inc.) Thriftway Refinery Lagoons.

P. aprese Ånalyst

<u>Review</u> Review



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## QUALITY ASSURANCE / QUALITY CONTROL

## DOCUMENTATION

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

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

Client:	QA/QC	Project #:	N/A	
Sample ID: Laboratory Blank		Date Reported:	02-19-02	
Laboratory Number:	02-19-TCV	Date Sampled:	N/A	
Sample Matrix:	Water	Date Received:	N/A	
Preservative:	N/A	Date Analyzed:	02-19-02	
Condition:	N/A	Analysis Requested:	TCLP	
		Detection	Regulatory	
	Concentration	Limit	Limits	
Parameter	(mg/L)	(mg/L)	(mg/L)	
Vinyl Chloride	ND	0.0001	0.2	
1,1-Dichloroethene	ND	0.0001	0.7	
2-Butanone (MEK)	ND	0.0001	200	
Chloroform	ND	0.0001	6.0	
Carbon Tetrachloride	ND	0.0001	0.5	
Benzene	ND	0.0001	0.5	
1,2-Dichloroethane	ND	0.0001	0.5	
Trichloroethene	ND	0.0003	0.5	
Tetrachloroethene	ND	0.0005	0.7	
Chlorobenzene	ND	0.0003	100	
1,4-Dichlorobenzene	ND	0.0002	7.5	

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery
		Fluorobenzene	100%
		1,4-difluorobenzene	100%
		4-bromochlorobenzene	100%
References:	Method 1311, Toxicity (	Characteristic Leaching Procedure, SW-8	46, USEPA, July 1992.
	Method 5030, Purge-an	d-Trap, SW-846, USEPA, July 1992.	
	Method 8010, Halogena	ated Volatile Organic, SW-846, USEPA, S	Sept. 1994.
	Method 8020, Aromatic	Volatile Organics, SW-846, USEPA, Sep	ot. 1994.
	Regulatory Limits baser	d on 40 CFR part 261 Subpart C section	261 24 July 1 1992

Comments:

QA/QC for samples 22037 - 22039 and 22041.

C. min_ Analyst

Review Walter

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-19-02
Laboratory Number:	02-14-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-19-02
Condition:	N/A	Date Extracted:	02-14-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

otance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%
Method 1311, Toxicity C	Characteristic Leaching Procedure, SW-8	46, USEPA, July 1992.
Method 5030, Purge-an	d-Trap, SW-846, USEPA, July 1992.	
Method 8010, Halogena	ted Volatile Organic, SW-846, USEPA, S	Sept. 1994.
Method 8020, Aromatic	Volatile Organics, SW-846, USEPA, Sep	t. 1994.
Regulatory Limits based	I on 40 CFR part 261 Subpart C section 2	261.24, July 1, 1992.
OA/OC for complete	22027 22020 and 22044	
	Method 5030, Purge-an Method 8010, Halogena Method 8020, Aromatic Regulatory Limits based	Fluorobenzene 1,4-difluorobenzene

Analyst

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

Client:	QA/QC		Project #:	N/A
Sample ID:	Matrix Duplic	ate	Date Reported:	02-19-02
Laboratory Number:	22037		Date Sampled:	N/A
Sample Matrix:	TCLP Extrac	t	Date Received:	N/A
Analysis Requested:	TCLP		Date Analyzed:	02-19-02
Condition:	N/A		Date Extracted:	02-14-02
		Duplicate		
	Sample .	Sample	Detection	
	Result	Result	Limits	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0087	0.0087	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0018	0.0018	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References:Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples 22037 - 22039 and 22041.

- L. afinen

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# ENVIROTECH L

ACTICAL SOLUTIONS FOR A DETTERTOMORROW

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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	QA/QC Matrix Spike 22037 TCLP Extract TCLP N/A			Project #: Date Reporte Date Sample Date Receive Date Analyze Date Extracte	ed: ed: ed:	N/A 02-19-02 N/A N/A 02-19-02 02-14-02
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride 1,1-Dichloroethene 2-Butanone (MEK) Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane Trichloroethene Tetrachloroethene Chlorobenzene 1,4-Dichlorobenzene	ND ND 0.0087 ND 0.0018 ND ND ND ND ND	0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.0495 0.0494 0.0577 0.0500 0.0490 0.0513 0.0490 0.0495 0.0495 0.0495 0.0495	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0003 0.0003 0.0005 0.0003 0.0002	99% 98% 100% 98% 99% 99% 99% 99% 99%	28-163 43-143 47-132 49-133 43-143 39-150 51-147 35-146 26-162 38-150 42-143

ND - Parameter not detected at the stated detection limit.

**References:** Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992. Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

QA/QC for samples 22037 - 22039 and 22041.

~ C. afercan

Ahristen Moltes Review

EPA METHOD 8040 PHENOLS Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Laboratory Number:	02-20-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-02
Condition:	N/A	Analysis Requested:	TCLP
Analytical Results	Concentration	Detection Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
	ND	0.000	400
2,4,5-Trichlorophenol	ND	0.020	400

ND - Parameter not detected at the stated detection limit.

Surrogate Recov	eries:	Parameter	Percent Recovery
		2-fluorophenol	98 %
		2,4,6-tribromophenol	99 %
References:		1, Toxicity Characteristic Leaching Proce -846, USEPA, July 1992.	edure Test Methods for Evaluating Solid
		10, Separatory Funnel Liquid-Liquid Extra -846, USEPA, July 1992.	ction, Test Methods for Evaluating Solid
	Method 804	0, Phenols, Test Methods for Evaluating	Solid Waste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory	Limits based on 40 CFR part 261 subpar	t C section 261.24, July 1, 1992.

Comments: QA/QC for samples 22037 - 22039 and 22041.

C. aferen Analyst

Mistin Malters Review

# ENVIROTECH L

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

### **EPA METHOD 8040 PHENOLS Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-20-02
Laboratory Number:	02-14-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery
		2-Fluorophenol 2,4,6-Tribromophenol	98% 99%
References:		1, Toxicity Characteristic Leaching Procedure 846, USEPA, July 1992.	e Test Methods for Evaluating Solid
		0, Separatory Funnel Liquid-Liquid Extraction 846, USEPA, July 1992.	, Test Methods for Evaluating Solid
	Method 804	0, Phenols, Test Methods for Evaluating Solid	Waste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory L	imits based on 40 CFR part 261 subpart C s	ection 261.24, July 1, 1992.
Comments:	QA/QC fo	r samples 22037 - 22039 and 22041.	

- E. al Analyst

<u>Review</u>

# IROTECH

ACTICAL SOLUTIONS FOR A BEITER TOMORROW

### **EPA METHOD 8040** PHENOLS **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-20-02
Laboratory Number:	22037	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-14-02
Condition:	Cool & Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:		Parameter	Maximum Difference
		8040 Compounds	30.0%
References:	Method 1311, Toxicity C Waste, SW-846, USEP/	Characteristic Leaching Procedure Test I A, July 1992.	Methods for Evaluating Solid
	Method 3510, Separato Waste, SW-846, USEP/	ry Funnel Liquid-Liquid Extraction, Test A, July 1992.	Methods for Evaluating Solid
	Method 8040, Phenols,	Test Methods for Evaluating Solid Wast	e, SW-846, USEPA, Sept. 1986.
Note:	Regulatory Limits based	on 40 CFR part 261 subpart C section	261.24, July 1, 1992.
Comments:	QA/QC for samples	s 22037 - 22039 and 22041.	

C. Cefuce Analyst

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AL SOLUTIONS FOR A BETTIER TOMORROW

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

	0	Det.	Regulatory
		Analysis Requested:	TCLP
Condition:	N/A	Date Analyzed:	02-20-02
Preservative:	N/A	Date Extracted:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Laboratory Number:	02-20-TBN	Date Sampled:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Client:	QA/QC	Project #:	N/A

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

ND - Parameter not detected at the stated detection limit.

QA/QC Accep	otance Criteria	Criteria Parameter	
		2-fluorobiphenyl	100%
References:	Method 1311, Toxicity	Characteristic Leaching Procedure, S	SW-846, USEPA, July 1992.
	Method 3510, Separate	ory Funnel Liquid-Liquid Extraction, S	W-846, USEPA, July 1992.
	Method 8090, Nitroaro	matics and Cyclic Ketones, SW-846,	USEPA, Sept. 1986.
Note:	Regulatory Limits base	ed on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-20-02
Laboratory Number:	02-14-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-14-02
Condition:	Cool and Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery						
		2-fluorobiphenyl	100%						
References:	Method 1311, Toxicity C	SW-846, USEPA, July 1992.							
	Method 3510, Separato	ry Funnel Liquid-Liquid Extraction, S	el Liquid-Liquid Extraction, SW-846, USEPA, July 1992.						
	Method 8090, Nitroarom	natics and Cyclic Ketones, SW-846,	USEPA, Sept. 1986.						
Note:	Regulatory Limits based	l on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.						
Comments:	QA/QC for samples	s 22037 - 22039 and 22041.							

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### JE PRACTICAL SOLUTIONS FOR A BETTERTOMORROW

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

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0.020

Client:	QA/QC	Project #:		N/A
Sample ID:	Matrix Duplicate	Date Reported:		02-20-02
Laboratory Number:	22037	Date Sampled:		N/A
Sample Matrix:	TCLP Extract	Date Received:		N/A
Preservative:	N/A	Date Extracted:		02-14-02
Condition:	N/A	Date Analyzed:		02-20-02
		Analysis Reque	ested:	TCLP
	Sample	Duplicate		Det.
	Result	Result	Percent	Limit
Parameter	(mg/L)	(mg/L)	Difference	(mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	0.102	0.101	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	0.034	0.034	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

HexachloroBenzene

QA/QC Acceptance Criteria		Parameter	Maximum Difference					
· ·		8090 Compounds	30%					
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.							
	Method 3510, Separate	ory Funnel Liquid-Liquid Extraction, SV	V-846, USEPA, July 1992.					
	Method 8090, Nitroaro	matics and Cyclic Ketones, SW-846, L	SEPA, Sept. 1986.					
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C secti	on 261.24, July 1, 1992.					

ND

Comments:

QA/QC for samples 22037 - 22039 and 22041.

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

Client:		QA/QC		Project #:		N/A			
Sample ID:		02-19-TCM QA/QC		Date Repor	ted:	02-19-02			
Laboratory Number:		22037		Date Samp	led:	N/A			
Sample Matrix:		TCLP Extra	act	Date Recei [,]	ved:	ł	N/A		
Analysis Requested:		TCLP Meta	ls	Date Analy:	zed:	(	02-19-02		
Condition:		N/A		Date Extracted:		I	N/A		
Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range		
Arsenic	ND	ND	0.001	0.046	0.046	0.0%	0% - 30%		
Barium	ND	ND	0.001	0.267	0.265	0.7%	0% - 30%		
Cadmium	ND	ND	0.001	0.039	0.039	0.0%	0% - 30%		
Chromium	ND	ND	0.001	0.149	0.147	1.3%	0% - 30%		
Lead	ND	ND	0.001	0.283	0.280	1.1%	0% - 30%		
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
Selenium	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%		
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
<b>~</b>			<u>.</u>	<b>•</b> • • •					
Spike		Spike	Sample	Spiked	Percent		Acceptance		
Conc. (mg/L)		Added	3	Sample	Recovery	Range			

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Arsenic	0.500	0.046	0.545	99.8%	80% - 120%
Barium	0.500	0.267	0.763	99.5%	80% - 120%
Cadmium	0.500	0.039	0.537	99.6%	80% - 120%
Chromium	0.500	0.149	0.647	99.7%	80% - 120%
Lead	0.500	0.283	0.781	99.7%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.024	0.523	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments:

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08918	ANALYSIS / PARAMETERS	Remarks							Date Time	2-14-02 14:05			Sample Receipt	X N/A	Received Intact	Cool - Ice/Blue Ice
CUSTODY RECORD	ANALYSIS / ANALYSIS /	. of ainers P		~					Received by: (Signature)	Christ M Locks	Received by: (Signature)	Received by: (Signature)	<b>NIROTECH INC</b>		5796 U.S. Highway 64 nington New Mexico 87401	(505) 632-0615
CHAIN OF CUS	roject Location THRI FLUAN REFINERY La	00 00	Lab Number Matrix	Soliz					Date Time R	02/14/02 124:32	<u> </u>		FOVIROT		5796 U.S. Farminaton Nev	(505) 6(
CH/	THIR HOUSE	0	Sample Sample Lab N Date Time						(6		ſī	(6				
	Client / Project Name T	Ä	Sample No./ Identification	EVAPOration Basingo 02/14/2					Relinquished by: (Signature)	Mori J. Your	Relinqui <del>b</del> hed by: ( <del>Gignature)</del>	Relinquished by: (Signature)				

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	Roger Antes
isurice (30%) 393-6161 O. Box 1980 obbi, NM 88241-1980 Energy Minerals and Natural Resourc	Form C-13 res DepartmRECEIVED Originated 8/8/
strict II - (505) 748-1283       Oil Conservation Division         1 S. First       2040 South Pacheco Street         tesia, NM 88210       2040 South Pacheco Street         *urict III - (505) 334-6178       Santa Fe, New Mexico 87505         *Rio Brazos Road       (505) 827-7131	MAR 0 4 2002 Submit Origin
REQUEST FOR APPROVAL TO ACCEPT	
1. RCRA Exempt: Non-Exempt: X	THRIFTWAY Corp. 4. Generator
Verbal Approval Received: Yes 🔲 No 🖂	5. Originating Site REFINER
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter ENVIROTELL
<b>3.</b> Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State NEW Mapico
7. Location of Material (Street Address or ULSTR)	County Rond 5500 Bloom field Na
9. <u>Circle One</u> :	
listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Sludge & water at crade Toule Som Undge & water at crade Toule Som Martin Soundation of the sound of the sou	······································
Estimated Volume Zo 661 cy Known Volume (to be entered by the oper	rator at the end of the haul) cy
SIGNATURE: Harla Du Brown TITLE: Landfarm Ma Waste Management FacilityAuthonized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TELE	PHONE NO
(This space for State Use)	
APPROVED BY:	DATE:
APPROVED BY Muntino 225 TITLE: Environm	Nul bedlagist DATE: 6/11/02

PAGE 02/27/2002 18:51 5055643604 BIOTECH REMEDIATION 02 27-11 Solffy L. TELP. OIL CONSERVATION DIVISION NEW MEXICO ENERGY, MINERALS AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD & NATURAL RESOURCES DEPARTMENT AZTED, NEW MEXICO \$7410 (808) 314-8178 Pax (805)114-8170 GARY E. JOHNSON JENNIFER A. SALISBURY GOVERNOR CABINET SECRETARY **CERTIFICATE OF WASTE STATUS** 2. Destination Name: Generator Name and Address: Envirotech Soil Remediation Facility Invitan Landfarm #2 Suik NO Hilltop, New Mexico Location of the Waste (Strest address &/or ULSTR): 3. Originating Site (name): Attach list of originating sites as appropriate 4. Source and Description of Waste Crude tank sumps Griffin representative for: TERRY (Print Name) do hereby certify that, BIOTECH REMEDIATION according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification) NON-EXEMPT oilfield waste which is non-hazardous by characteristic **EXEMPT** oilfield waste analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above. For NON-EXEMPT waste the following documentation is attached (check appropriate items): Other (description): **MSDS** Information RCRA Hazardous Waste Analysis Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature) Title: Date:



10

GARY E. JOHNSON GOVERNOR State of New Mexico ENVIRONMENT DEPARTMENT Hazardous Waste Bureau 2905 Rodeo Park Drive East, Building 1 Santa Fe, New Mexico 87505-6303 Telephone (505) 428-2500 Fax (505) 428-2567 www.nmenv.state.nm.us

#### CERTIFIED MAIL RETURN RECEIPT REQUESTED

May 31, 2002

EnviroTech Inc. 5796 U.S. Highway 64 Farmington, New Mexico 87401

#### SUBJECT: WASTE STATUS DETERMINATION THRIFTWAY BLOOMFIELD REFINERY SAN JUAN COUNTY, NEW MEXICO TR-02-001 (NMOCD DISCHARGE PLAN NUMBER GW-055)

Attention: Mr. Harlan Brown Mr. Morris Young

The New Mexico Environment Department (NMED) Hazardous Waste Bureau has reviewed the information regarding the disposal history of the surface impoundments and crude oil storage tank sump waste provided in your letter dated May 3, 2002. Based on the information provided in the attached letter from BioTech Remediation, dated April 10, 2002, the residual sludge was deposited in the surface impoundments prior to the May 1991 listing of petroleum refinery primary and secondary oil/water/solids separation sludge and is not considered to be listed as F037 and F038 waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.31). In addition, information provided by you during our February 14, 2002 site meeting at the refinery facility indicated that the wastewater was not treated in an API separator prior to discharge to the surface impoundments; therefore, the sludge also does not contain K051 waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.32).

The BioTech Remediation letter also states that the crude oil tanks and sumps have not been used since December 1998. Based on the information provided in the letter, the sludge in the sumps was deposited prior to the February 1999 listing of crude oil storage tank sediment from refining operations and is not considered to be K169 listed waste under 20.4.1.200 NMAC (incorporating 40 CFR 261.32). The waste from the sumps and surface impoundments must be handled as hazardous waste if chemical analysis indicates any characteristic of hazardous waste as defined in 20.4.1.200 NMAC (incorporating 40 CFR 261 Subpart D). In addition, waste disposal activities



PETER MAGGIORE SECRETARY

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JUN 0 4 2002 Environmental Bureau Oil Conservation Division May 3, 2002

New Mexico Environment Department Hazardous Waste Bureau Attn: Dave Cobrain, Waster Resource Specialist 2905 Rodeo Park Drive East, Bldg 1 Santa Fe, New Mexico 87505

505-428-2541 Fax 505-428-2567

;5056321865

Re: Revised letter for waste determination for the former Thriftway Refinery near Bloomfield, New Mexico

Dear Mr. Cobrain:

Biotech Remediation has provided a revised letter describing the work they have proposed at the former Thriftway Refinery located near Bloomfield, New Mexico. The letter is attached to this correspondence. Please note that the scope of work has been modified to include cleanup of spills and leaks around several tanks located at the east end of the facility.

If you have further questions regarding this project or if we can be of further service please feel free to contact us at 505-632-0615.

Sincerely,

Envirotech Inc.

lan The Bry

Harlan M. Brown Geologist / Hydrogeologist New Mexico Certified Scientist #083

CC:

Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401 NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

### RECEIVED APR 1 1 2002



501 Airport Drive - Suite 104

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (505) 564-3604

April 10, 2002

Morris Young Envirotech Inc. 5796 US Hwy 64 Farmington, New Mexico 87401

Re: Thriftway Bloomfield Refinery

Dear Morris:

Thriftway is planning to clean several areas at the Bloomfield Refinery for inspection per the current Discharge Renewal Plan. In order to complete the inspection, the sumps and stained soils around several tanks within the tank farm and two lined lagoons will need to be cleaned and the sludge will need to be disposed of in an appropriate manner. It is our understanding that characterization of the waste streams for disposal is dependent on when the storage areas were last used. A Site Plan of the tanks and lagoon liners is attached.

There are several crude oil storage tanks located at the east side of the refinery. A couple of the tanks have concrete sumps  $(6' \times 10' \times 5')$  adjacent to them that were used to catch condensed water drawn off the bottom of the tanks, the other tanks had valves which leaked and stained soil needs to be removed. All tanks and associated sumps were last used when they were rented to Giant Industries. The tanks and sumps have not been used since December 1998.

We also need to clean and inspect the lined evaporation lagoons located west of the refinery process unit. To the best of our knowledge the refinery ceased refining operations in December 1990. Process water from the plant has not been added to the evaporation lagoons since refinery operations stopped.

Morris Young April 10, 2002 Page 2

Thank you for your assistance. If you need further information, please contact me at 505-327-4965.

Respectfully,

Terry Griffin Project Administrator

hmb/TG

# ENVIROTECHINC.

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MAR 0 6 2002

Environmental Bureau Oil Conservation Division

March 5, 2002

New Mexico Environment Department Hazardous Waste Bureau Attn: Dave Cobrain, Waster Resource Specialist 2905 Rodeo Park Drive East, Bldg 1 Santa Fe, New Mexico 87505

505-428-2541 Fax 505-428-2567

Re: Waste determination for the former Thriftway Refinery near Bloomfield, New Mexico

Dear Mr. Cobrain:

Biotech Environmental and the Thriftway Corporation have contracted Envirotech to clean sediments and sludge from lined evaporation ponds at the west end of the facility and concrete sumps at the east end of the facility to facilitate inspection. We are aware that some refinery wastes have been "Listed" as "F" or "K" wastes in recent changes to the Code of Federal Regulations. Ms. Terry Griffin has provided a letter (attached) indicating when the subject sumps and ponds were last in service. Based on her submittal and your inspection of the ponds and sumps on February 14, 2002 we would appreciate your determination as to the status of the waste streams at each of the process areas.

Decisions regarding waste disposal or remediation will be based on whether the waste is listed, characteristic, or non-exempt with no hazardous characteristics. We also request that you copy your determination to Biotech Remediation and to Martyne Kieling of the New Mexico Oil Conservation Division (NMOCD).

If you have further questions regarding this project or if we can be of further service please feel free to contact us at 505-632-0615.

Sincerely,

Envirotech Inc.

11 lan Bro

Harlan M. Brown Geologist / Hydrogeologist New Mexico Certified Scientist #083

CC:

Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401 NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

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#### MAR 0 6 2002

Environmental Bureau Oil Conservation Division

### RECEIVED MAR 4 2002



501 Airport Drive - Suite 104

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (505) 564-3604

February 25, 2002

Morris Young Envirotech, Inc. 5796 U.S. Hwy 64-3014 Farmington, NM 87401

RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the abovereferenced facility was in December of 1998. To the best of my knowledge, the refinery began discontinuing operations in December 1990 and January 1991.

Thank you for your assistance. If you need any other information, please contact me at 505-327-4965.

Respectfully, Ter Project Administrator

Cc: File

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Co.	1	Co.	<u> </u>	
Dept.		Phone #		
Fax # 057-1	165	Fax #		



501 Airport Drive - Suite 104 

Farmington, New Mexico 87401 Off: (505) 327-4965 Fax: (505) 564-3604

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February 25, 2002

Morris Young Envirotech, Inc. 5796 U.S. Hwy 64-3014 Farmington, NM 87401

RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the abovereferenced facility was in December of 1998. To the best of my knowledge, the refinery began discontinuing operations in December 1990 and January 1991.

Thank you for your assistance. If you need any other information, please contact me at 505-327-4965.

Respectfully,

Griffin Siect Administrator

File Cc:

February 22, 2002

Ms. Terry Griffin BioTech 710 East 20th Farmington, NM 87401

Phone: (505) 327-4965

Dear Ms. Griffin,

Enclosed are the analytical results for the sample collected from the location designated as "Hwy 550, NM". This is the water draw-off sumps at the Thriftway Refinery Crude Oil Tanks. One water sample was collected by Envirotech designated personnel on 2/14/02, and received by the Envirotech laboratory on 2/14/02 for TCLP W/O Herbicides and Pesticides.

The sample was documented on Envirotech Chain of Custody No. 8919. The sample was assigned Laboratory No. 22041 (SM-2 & SM-1) for tracking purposes.

The sample was analyzed 2/19/02 through 2/20/02 using USEPA or equivalent methods.

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

Respectfully submitted, **Envirotech, Inc.** 

Walters /eb Christine M

Christine M. Walters Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/biotech.wpd

### F IVIROTEC

PRACTICAL SOLUTIONS FOR A BEIMERTIOMORROW

#### SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Thriftway	Project #:	02008-00
Sample ID:	SM-2 + SM-1	Date Reported:	02-19-02
Lab ID#:	22041	Date Sampled:	02-14-02
Sample Matrix:	Water	Date Received:	02-14-02
Preservative:	Cool	Date Analyzed:	02-15-02
Condition:	Cool and Intact	Chain of Custody:	8919
Parameter	Result		•
IGNITABILITY:	Negative		
CORROSIVITY:	Negative	pH = 6.84	
REACTIVITY:	Negative		
RCRA Hazardous Waste Criteria			
Parameter	Hazardous Waste Criteri	on	
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. ( <i>i.e. Sample ignition upon direct contact with flame or flash point &lt; 60° C.</i> )		
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5 )		
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)		
Reference:	40 CFR part 261 Subpar	t C sections 261.21 - 261.23, July 1, 1992.	

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### Envirotech Labs

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-19-02
Laboratory Number:	22041	Date Sampled:	02-14-02
Chain of Custody:	8919	Date Received:	02-14-02
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Ceol	Date Analyzed:	02-19-02
Condition:	Cool & Intact	Analysis Requested:	TCLP
		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0081	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0231	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery
		Fluorobenzene	100%
		1,4-difluorobenzene	100%
		4-bromochlorobenzene	100%
References:	Method 1311, Toxicity C	Characteristic Leaching Procedure, SW-8	346, USEPA, July 1992.
	Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.		
	Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.		
	Method 8020, Aromatic	Volatile Organics, SW-846, USEPA, Sep	ot. 1994.
Note:	Regulatory Limits based	on 40 CFR part 261 Subpart C section	261.24, July 1, 1992.

Comments:

Hwy 550, NM.

P. Up uu Analyst

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#### EPA METHOD 8040 PHENOLS

Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-20-02
Laboratory Number:	22041	Date Sampled:	02-14-02
Chain of Custody:	8919	Date Received:	02-14-02
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	02-20-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery		
		2-Fluorophenol 2,4,6-Tribromophenol	98% 99%		
References:	Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.				
	Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.				
	Method 8040	), Phenols, Test Methods for Evaluating So	olid Waste, SW-846, USEPA, Sept. 1986.		
Note:	Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.				
Comments:	Hwy 550, NM.				

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Mistin m liketers Review

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

Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-20-02
Laboratory Number:	22041	Date Sampled:	02-14-02
Chain of Custody:	8919	Date Received:	02-14-02
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	02-20-02
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Accep	tance Criteria	Parameter	Percent Recovery
		2-fluorobiphenyl	97%
References:	•	ethod 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. ethod 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.	
	Method 8090, Nitroaror	natics and Cyclic Ketones, SW-846,	USEPA, Sept. 1986.
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.
Commonts:	Hwy 550 NM		

Comments: Hwy 550, NM.

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PRACTICAL SOLUTIONS FOR A BETITER TOMORROW.

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

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Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-19-02
Laboratory Number:	22041	Date Sampled:	02-14-02
Chain of Custody:	8919	Date Received:	02-14-02
Sample Matrix:	Water	Date Analyzed:	02-19-02
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	0.301	0.001	100
Cadmium	0.002	0.001	1.0
Chromium	0.091	0.001	5.0
Lead	0.107	0.001	5.0
Mercury	ND	0.001	0.2

ND - Parameter not detected at the stated detection limit.

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

 December 1996.

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

Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

0.001

0.001

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

ND

ND

Comments:

Selenium

Silver

Hwy 550, NM.

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### **QUALITY ASSURANCE / QUALITY CONTROL**

### DOCUMENTATION

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

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PRACTICAL SOLUTIONS FOR A BETHERMOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-19-02
Laboratory Number:	02-19-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-19-02
Condition:	N/A	Analysis Requested:	TCLP
		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinul Chlorida	ND	0.0001	0.2
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery	
		Fluorobenzene	100%	
		1,4-difluorobenzene	100%	
		4-bromochlorobenzene	100%	
References:	Method 1311, Toxicity (	oxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.		
	Method 5030, Purge-an	d-Trap, SW-846, USEPA, July 1992.		
	Method 8010, Halogena	ted Volatile Organic, SW-846, USEPA, S	Sept. 1994.	
	Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.			

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-19-02
Laboratory Number:	02-14-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-19-02
Condition:	N/A	Date Extracted:	02-14-02
		Analysis Requested:	TCLP
		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
	Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.
Note:	Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:

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PRACTICAL SOLUTIONS FOR A BELITLER TOMORROW

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

Client:	QA/QC		Project #:	N/A
Sample ID:	Matrix Duplic	ate	Date Reported:	02-19-02
Laboratory Number:	22037		Date Sampled:	N/A
Sample Matrix:	TCLP Extrac	t	Date Received:	N/A
Analysis Requested:	TCLP		Date Analyzed:	02-19-02
Condition:	N/A		Date Extracted:	02-14-02
	· · · · · · · · · · · · · · · · · · ·	Duplicate		
	Sample	Sample	Detection	
	Result	Result	Limits	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0087	0.0087	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0018	0.0018	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. References: Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992. Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994. Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	QA/QC Matrix Spike 22037 TCLP Extract TCLP N/A			Project #: Date Reporte Date Sample Date Receive Date Analyze Date Extracte	d: ed: ed:	N/A 02-19-02 N/A N/A 02-19-02 02-14-02
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride 1,1-Dichloroethene 2-Butanone (MEK) Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane Trichloroethene Tetrachloroethene Chlorobenzene 1,4-Dichlorobenzene	ND ND 0.0087 ND ND 0.0018 ND ND ND ND ND ND	0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050 0.050	0.0495 0.0494 0.0577 0.0500 0.0490 0.0513 0.0490 0.0495 0.0495 0.0495 0.0495	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0003 0.0003 0.0005 0.0003 0.0002	99% 98% 100% 98% 99% 98% 99% 99% 99%	28-163 43-143 47-132 49-133 43-143 39-150 51-147 35-146 26-162 38-150 42-143

ND - Parameter not detected at the stated detection limit.

References:Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.<br/>Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.<br/>Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.<br/>Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments:

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PRACTICAL SOLUTIONS FOR A BELTER TOMORR

#### **EPA METHOD 8040 PHENOLS Quality Assurance Report** Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Laboratory Number:	02-20-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-02
Condition:	N/A	Analysis Requested:	TCLP
Analytical Results		Detection	Regulatory
	Concentration	Limit	Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

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

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992. Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992. Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986. Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992. Note:

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<u>Invisting Waters</u> Review

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#### EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-20-02
Laboratory Number:	02-14-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:		Parameter	Percent Recovery	
		2-Fluorophenol	98%	
		2,4,6-Tribromophenol	99%	
References:		1, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid 846, USEPA, July 1992.		
		0, Separatory Funnel Liquid-Liquid Extractio 846, USEPA, July 1992.	on, Test Methods for Evaluating Solid	
	Method 8040	0, Phenols, Test Methods for Evaluating So	olid Waste, SW-846, USEPA, Sept. 1986.	
Note:	Regulatory L	Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.		
Comments:	QA/QC for samples 22037 - 22039 and 22041.			

l.Q. Analyst

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#### EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-20-02
Laboratory Number:	22037	•	
•		Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-14-02
Condition:	Cool & Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acce	otance Criteria:	Parameter	Maximum Difference			
		8040 Compounds	30.0%			
References:	Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.					
	Method 3510, Separator Waste, SW-846, USEPA	ry Funnel Liquid-Liquid Extraction, Test A, July 1992.	Methods for Evaluating Solid			
	Method 8040, Phenols,	Test Methods for Evaluating Solid Wast	e, SW-846, USEPA, Sept. 1986.			
Note:	Regulatory Limits based	l on 40 CFR part 261 subpart C section	261.24, July 1, 1992.			
Comments:	QA/QC for samples	s 22037 - 22039 and 22041.				

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Laboratory Number:	02-20-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery	
		2-fluorobiphenyl	100%	
References:	•	Characteristic Leaching Procedure, S	· · ·	
	Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 199 Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.			
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	ction 261.24, July 1, 1992.	

Comments: QA/QC fo

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	02-20-02
Laboratory Number:	02-14-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-14-02
Condition:	Cool and Intact	Date Analyzed:	02-20-02
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery			
		2-fluorobiphenyl	100%			
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July					
	Method 3510, Separate	Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.				
	Method 8090, Nitroaror	natics and Cyclic Ketones, SW-846,	USEPA, Sept. 1986.			
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	tion 261.24. July 1. 1992.			

Comments:

. C. africa Analyst

Wistin Mulaeters

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

Client:	QA/QC	Project #:		N/A	
Sample ID:	Matrix Duplicate	Date Reported:	02-20-02		
Laboratory Number:	22037	Date Sampled:		N/A	
Sample Matrix:	TCLP Extract	Date Received:		N/A	
Preservative:	N/A	Date Extracted:		02-14-02	
Condition:	N/A	Date Analyzed:		02-20-02	
		Analysis Reque	sted:	TCLP	
	Sample	Duplicate		Det.	
	Result	Result	Percent	Limit	
Parameter	(mg/L)	(mg/L)	Difference	(mg/L)	
Pyridine	ND	ND	0.0%	0.020	
Hexachloroethane	ND	ND	0.0%	0.020	
Nitrobenzene	0.102	0.101	0.0%	0.020	
Hexachlorobutadiene	ND	ND	0.0%	0.020	
2,4-Dinitrotoluene	0.034	0.034	0.0%	0.020	
HexachloroBenzene	ND	ND	0.0%	0.020	

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Maximum Difference	
		8090 Compounds	30%	
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.			
	Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1 Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.			
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.	

Comments:

P. Cel ice nalvst

Review Review

### IVIROTECH L

PRACENCAL SOLUTIONS FOR AN BEILDER TOMORTOW

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

Client:		QA/QC		Project #:			N/A
Sample ID:		02-19-TCM	QA/QC	Date Rep	orted:		02-19-02
Laboratory Number:		22037		Date Sam	npled:		N/A
Sample Matrix:		TCLP Extract		Date Rec	eived:		N/A
Analysis Requested:		TCLP Meta	LP Metals		Date Analyzed:		02-19-02
Condition:		N/A		Date Extr	acted:		N/A
Blank & Duplicate	Instrument	Method	Detection	n Sample	Duplicate	%	Acceptance
Conc. (mg/L)	Blank	Blank	Limit	i Sample	Duplicate	Difference	Range
Arsenic	ND	ND	0.001	0.046	0.046	0.0%	0% - 30%
Barium	ND	ND	0.001	0.267	0.265	0.7%	0% - 30%
Cadmium	ND	ND	0.001	0.039	0.039	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.149	0.147	1.3%	0% - 30%
Lead	ND	ND	0.001	0.283	0.280	1.1%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
							1

Spike Spike Sample Spiked Percent Acceptance Added Conc. (mg/L) Sample Recovery Range

Arsenic	0.500	0.046	0.545	99.8%	80% - 120%
Barium	0.500	0.267	0.763	99.5%	80% - 120%
Cadmium	0.500	0.039	0.537	99.6%	80% - 120%
Chromium	0.500	0.149	0.647	99.7%	80% - 120%
Lead	0.500	0.283	0.781	99.7%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.024	0.523	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

**References:** 

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments:

Lena Analyst

Mister Malles Review

	ЧO	CUSTODY RECORD	08919
	Project Location けんりくSO NM	ANALYSIS / PARAMETERS	METERS
	Client No. びょののる - 00 \	ainers L.P. J.P.	Remarks
Sample Sample Date Time	Lab Number Matrix	tnoD	
2/14/07 1540	22041 H20	۲ /	
	Date He	Received by: (Signature)	Date Time
	2/14/02 16:60	Think Libeter	3-14-02 Nº:10
		Received by: (Signature)	
		Received by: (Signature)	
	FOVIROTFCH INC		Sample Receipt
			Y N/A
	5796 U.S. Highway 64 Farmington New Mexico 87401	lighway 64 v Mexico 87401	Received Intact
	(505) 632-0615	2-0615	Cool - Ice/Blue Ice

D:attrict I - (505) 393-6161       New Mexico         F. O. Box 1980       Energy Minerals and Natural Resource         Hobbs: NM 88241-1980       Energy Minerals and Natural Resource         District II - (505) 748-1283       Oil Conservation Divisio         811 S. First       2040 South Pacheco Street         Artesia, NM 88210       2040 South Pacheco Street         P' trict III - (505) 334-6178       Santa Fe, New Mexico 87505         Rio Brazos Road       (505) 827-7131	Environmental Bureau Submit Original
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator CSI
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site SJ 30-5# ZIZ
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Son's
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State New Mapico
7. Location of Material (Street Address or ULSTR)	"K" Sec 30 T30N R5W
9. <u>Circle One</u> :	Rio Arriba County, NW.
<ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accordenerator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be accordenerator.</li> <li>PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> <li>All transporters must certify the wastes delivered are only those consigned.</li> <li>BRIEF DESCRIPTION OF MATERIAL:</li> <li>Compressor eil spillon skid; some et al.</li> <li>MSDS kfaalud,</li> </ul>	ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by I for transport.
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE:	
(This space for State Use) APPROVED BY: Deny Cont TITLE: Environment APPROVED BY: Martin 175, TITLE: Environment	2/Engl DATE: 5/17/02 h) Georgist DATE: 6-3-02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO SHAZOS ROLO AZTEC, NEW MEXICO . \$7410 [506] 134-6178 Faz (505)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

### CERTIFICATE OF WASTE STATUS

93212-004

1. Generator Name and Address: LOMPRESSOR SYSTEMS INC.	2. Destination Name: ENviro tech Soil Romadiation Farility, Landform Hill top, NM.	æ.z
P.O. BOX 1886	5796 US Hur 64	ļ
BLOOMFIELD, N.M. 87413	Farmington, Now Alanooco 87402	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):	
30-5-#212 UNIT# 410099		
1061 FSL, 1540 FWL, SECTION 30,	T30N-R5W	
	IBA, COUNTY N.M.	}
Attach list of originating sites as appropriate		)
4. Source and Description of Waste		
COMPRESSOR OIL - BLOWN OIL LIN. WAS CONTAINED, BUT SOMME AMAN ON	E-LEAKING OIL ON SKID-MOST OF THE OIL Y GROUND	-
•.	•	

I JIM DEAL	representative for:
(Print Name)	
COMPRESSOR SUSTEMS INC.	do hereby certify that,
according to the Resource Conservation and Recovery Ac	t (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste	is: (Chack oppropriate classification)
	ilfield waste which is non-hazardous by characteristic oduct identification
and that nothing has been added to the exempt or non-exe	mpt non-hazardous waste defined above.
For NON-EXEMPT waste the following documentation i	s attached (check appropriate items):
MSDS Information	Other (description);
ACRA Hazardous Waste Analysis	•
Chain of Custody	

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

: ON XAR

Name (Original Signature):	Que
Title: SERVICE LEAD MAN	
Date: 4-1-02	
Ed WU91:80 1002 EZ 'REW	

FILE No.578 04/01 '02 AM 10:53 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985

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### Material Safety Data Sheet

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205 SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150 CHEVRON HDAX NG Screw Compressor Oil ISO 68

COMPANY IDENTIFICATION

Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870 EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (B00)424-9300 or (703)527-3887 Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500 Environmental, Safety, & Health Info: (415) 894-0703 Product Information: (800) 582-3835

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

#### CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PAR	RA .		
Chemical Name: DISTILLATES,	HYDROTREATED	HEAVY PARAFFINIC	
CAS64742547 >	80.00%	5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL
ADDITIVES <	20.00%	· .	
	20,00%		






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CHEVRON HDAX NG Screw Compressor Oil Page 2 of 7

Act Chemical Substances Inventory.

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

#### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

EYE:

Not expected to cause prolonged or significant eye irritation. SKIN:

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

#### INGESTION:

Not expected to be harmful if swallowed.

#### INHALATION:

Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

#### 4. FIRST AID MEASURES

#### EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water. SKIN: No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. INGESTION: No specific first aid measures are required because this material is not

expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person. INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

#### 5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION: Classification (29 CFR 1910,1200): Not classified by OSHA as flammable or

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combustible.
FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 419-446F (215-230C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
 CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor and may produce
oxides of nitrogen and phosphorus. Incomplete combustion can produce
carbon monoxide.

#### 6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887 International Collact Calls Accepted

#### ACCIDENTAL RELEASE MEASURES:

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.

#### 7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION: No special eve protection is normally required. Where splashing is

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CHEVRON HDAX NG Screw Compressor Oil Page 4 of 7 possible, wear safety glasses with side shields as a good safety practice. SKIN PROTECTION: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H> **RESPIRATORY PROTECTION:** No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying respirators: particulate.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Liquid. NDA pH: VAPOR PRESSURE: NA VAPOR DENSITY (AIR=1): NA BOILING POINT: NDA NDA FREEZING POINT: MELTING POINT: NA Soluble in hydrocarbon solvents; insoluble in water. SOLUBILITY: SPECIFIC GRAVITY: NDA NDA DENSITY: EVAPORATION RATE: NA 61.2 - 135 cSt @ 40C (Min.) VISCOSITY: PERCENT VOLATILE (VOL): NA

#### 10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: No data available. CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: No data available. INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. HAZARDOUS POLYMERIZATION: Polymerization will not occur.

#### 11. TOXICOLOGICAL INFORMATION

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EYE RFFECTS: The eye irritation hazard is based on data for a similar material. SKIN EFFECTS: The skin irritation hazard is based on data for a similar material. ACUTE ORAL EFFECTS: The acute oral toxicity is based on data for a similar material. ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on data for a similar material. ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

#### 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is not expected to be harmful to aquatic organisms. ENVIRONMENTAL FATE: This material is not expected to be readily biodegradable.

#### 13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

#### 14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT DOT HAZARD CLASS: NOT APPLICABLE DOT IDENTIFICATION NUMBER: NOT APPLICABLE DOT PACKING GROUP: NOT APPLICABLE

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15. REGULATORY INFORMATION 1. Immediate (Acute) Health Effects: NO SARA 311 CATEGORIES: 2. Delayed (Chronic) Health Effects: NO 3. Fire Hazard: NO 4. Sudden Release of Pressure Hazard: NO 5. Reactivity Hazard: NO REGULATORY LISTS SEARCHED: 22=TSCA Sect 5(a)(2) 01=SARA 313 ll=NJ RTK 23=TSCA Sect 6 02=MASS RTK 12=CERCLA 302.4 03=NTP Carcinogen 13=MN RTK 04=CA Prop 65-Carcin 14=ACGIH TWA 24=TSCA Sect 12(b) 25=TSCA Sect 8(a) 26-TSCA Sect 8(d) 05=CA Prop 65-Repro Tox 15=ACGIH STEL 27=TSCA Sect 4(a) 28=Canadian WHMIS 16=ACGIH Calc TLV 17=OSHA PEL 06=IARC Group 1 07=IARC Group 2A 18=DOT Marine Pollutant 29=OSHA CEILING 08=IARC Group 2B 19=Chevron TWA 09=SARA 302/304 30=Chevron STEL 10-PA RTK 20=EPA Carcinogen The following components of this material are found on the regulatory lists indicated. DISTILLATES, HYDROTREATED HEAVY PARAFFINIC is found on lists: 14,15,17, EU RISK AND SAFETY STATEMENTS: May cause long-term adverse effects in the aquatic environment. NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL WHMIS CLASSIFICATION: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations. 16. OTHER INFORMATION NFPA RATINGS: Health 1; Flammability 1; Reactivity 0; HMIS RATINGS: Health 1; Flammability 1; Reactivity 0; (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings). **REVISION STATEMENT:** This is a new Material Safety Data Sheet Revision Date: 10/25/97 MSDS Number: 006852 Revision Number: 0

- Ceiling Limit

A1-5 - Appendix A Categories NDA - No Data Available

RO

С

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ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT: TLV - Threshold Limit Value TWA - Time Weighted Average STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity - Reportable Quantity PEL - Permissible Exposure Limit

CAS - Chemical Abstract Service Number

- () Change Has Been Proposed
- NA Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

#### 

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 this information 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.

THIS IS THE LAST PAGE OF THIS MSDS 

**Revision Number: 0** 

Revision Date: 10/25/97

attict I - (505) 393-6161       New Mexico         Box 1980       Box 1980         bbs, NM 88241-1980       Energy Minerals and Natural Resource         utrict II - (505) 748-1283       Oil Conservation Division         S. First       2040 South Pacheco Street         csia, NM 88210       Santa Fe, New Mexico 87505         'If the Brazos Road       (505) 827-7131	DN JUN 0 3 2002 Submit Origi
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	4. Generator CST
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site 29-5#203
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter PAul & Sous
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Now We agei co
7. Location of Material (Street Address or ULSTR)	
9. <u>Circle One</u> :	N/2 See 6, TZ9N, R SW Rio Arribe Canady, NW
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Compressor oil lected from SKOD to gro MSDS Attached	
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE:	anager DATE: 5.15.62
TYPE OR PRINT NAME: Harlan M. Brown TELI	EPHONE NO ?
(This space for State Use) APPROVED BY: Demy tent TITLE: Frive APPROVED BY: Martin g Whil TITLE: Zhurrenn	<u>DIENGU</u> DATE: <u>5/17/07</u> <u>number</u> <u>Geologist</u> DATE: <u>6-3-02</u>



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT DIL CONSERVATION DIVISION AZTEC DISTRICT DEFICE 1000 RIQ BRAZOS ROAD AZTEC, NEW MEXICO 47410 (806) 334-6178 Fam (306)334-6170

GARY E. JOHNSON GOVERNOR

JENNIFER	A. SALISBURY
CABINET	SECRETARY

## CERTIFICATE OF WASTE STATUS

I. Generator Name and Address:	2. Destination Name: Exuinatech Soil Romadiation Facility, Land Frame
COMPRESSOR SYSTEMS WC.	Hill Top, New Martico
P.O. BOX 1886	5796 US HWY 64
BLOOMFIELD, N.M. 82413	FARMington NW. 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
29-5-#203 UNIT #404709	
955' FNL, SECTION 6, TOWNSHIP TZ RIC	9-N, RANGE25W
RIO	ARRIBA COUNTY, N-M.
Attach list of originating sites as appropriate 4. Source and Description of Waste	
COMPRESSOR BLEW OIL LINE, 2	EAKING DIL ON EKID - MOST OF THE OIL WAS
CONTAINED, BUT SOME RAN ON C	BROUND
	representative for:
	representative for:
JIM DEAL (Print Name)	representative for: do hereby cortify that,
<u>TIM DEML</u> (Print Name) <u>ComPRESSOR SKSTEMS</u> INC.	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July,
TIM DEML (Print Name) <u>ComPRESSOR SKSTEMS</u> INC.	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July,
TIM DEAL (Print Name) <u>CompRESSOR SKSTEMS</u> MC- ccording to the Resource Conservation and Re 988, regulatory determination, the above desc	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, wibed waste is: (Check appropriate classification)
TIM DEAL (Print Name) <u>ComPRESSOR SUSTEMS</u> ccording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT oilfield waste	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July,
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SKSTEMS</u> MC- ccording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT oilfield waste <u>V</u> NON analy	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, wibed waste is: (Check appropriate classification) -EXEMPT oilfield waste which is non-hazardous by characteristic yeis or by product identification
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SKSTEMS</u> MC- ccording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT oilfield waste <u>V</u> NON analy	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, wibed waste is: (Check appropriate classification) -EXEMPT oilfield waste which is non-hazardous by characteristic
(Print Name) <u>ComPRESSOR</u> SKSTEMS ComPRESSOR SKSTEMS (Print Name) (Print Name) (P	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, eribed waste is: (Check appropriate classification) I-EXEMPT oilfield waste which is non-hazardous by characteristic yeis or by product identification t or non-exempt non-hazardous waste defined above.
<u>TIM DEMI</u> (Print Name) <u>ComPRESSOR SUSTEMS</u> <u>MC-</u> ccording to the Resource Conservation and Re 988, regulatory determination, the above desc <u>EXEMPT oilfield waste</u> <u>NON</u> analy ind that nothing has been added to the exempt for NON-EXEMPT waste the following docu	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, wibed waste is: (Check appropriate classification) -EXEMPT oilfield waste which is non-hazardous by characteristic yeis or by product identification
(Print Name) <u>ComPRESSOR</u> SUSTEMS ccording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT oilfield waste MON analy and that nothing has been added to the exempt	representative for: 

This waste is in compliance with Regulated Lavels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _	fim	Dul
	Jun	

Title: SERVICE LEAD MAN

Date: 4-1-02

23 MA31:80 1005 22 .46M

FILE No.578 04/01 '02 AM 10:56 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985

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## **Material Safety Data Sheet**

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205 SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150 CHEVRON HDAX NG Screw Compressor Oil ISO 68

#### COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870 HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Int'1 collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500 Environmental, Safety, & Health Info: (415) 894-0703 Product Information: (800) 582-3835

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

#### CONTAINING

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Components	AMOUNT	limit/qty	AGENCY/TYPE
HYDROTREATED DIST., HVY PAN	RA		
Chemical Name: DISTILLATES	, HYDROTREATED	HEAVY PARAFFINIC	
CAS64742547 >	80.00%	5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL
ADDITIVES			
<	20.00%		
COMPOSITION COMMENT: All the components of this	<u>material are (</u>	on the Toxic Subst	ances Control
	levision Date:		S Number: 006852



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Act Chemical Substances Inventory.

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

#### 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYE:
Not expected to cause prolonged or significant eye irritation.
SKIN:
Contact with the skin is not expected to cause prolonged or significant
irritation. Not expected to be harmful to internal organs if absorbed
through the skin.
INGESTION:
Not expected to be harmful if swallowed.
INHALATION:
Contains a petroleum-based mineral oil that may cause respiratory
irritation or other pulmonary effects following prolonged or repeated
inhalation of airborne levels above the recommended exposure limit.

#### 4. FIRST AID MEASURES

#### EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water. SKIN: No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person. INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

#### 5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION: Classification (29 CFR 1910,1200): Not classified by OSHA as flammable or

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combustible.
FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 419-446F (215-230C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
 CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor and may produce
oxides of nitrogen and phosphorus. Incomplete combustion can produce

carbon monoxide.

#### 6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887 International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

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.

#### 7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.



PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION: No special eve protection is normally required. Where splashing is

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possible, wear safety glasses with side shields as a good safety practice. **SKIN PROTECTION:** No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H> **RESPIRATORY PROTECTION:** No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations

of this material. Use the following elements for air-purifying respirators: particulate.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Liquid. pH: NDA VAPOR PRESSURE: NA VAPOR DENSITY (AIR=1); NA BOILING POINT: NDA FREEZING POINT: NDA MELTING POINT: NA Soluble in hydrocarbon solvents; insoluble in water. SOLUBILITY: SPECIFIC GRAVITY: NDA DENSITY: NDA EVAPORATION RATE: NA 61.2 - 135 cSt @ 40C (Min.) VISCOSITY: PERCENT VOLATILE (VOL): NA

#### **10. STABILITY AND REACTIVITY**

HAZARDOUS DECOMPOSITION PRODUCTS: No data available. CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: No data available. INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. HAZARDOUS POLYMERIZATION: Polymerization will not occur.

#### 11. TOXICOLOGICAL INFORMATION

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EYE EFFECTS: The eye irritation hazard is based on data for a similar material. SKIN EFFECTS: The skin irritation hazard is based on data for a similar material. ACUTE ORAL EFFECTS: The acute oral toxicity is based on data for a similar material. ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on data for a similar material. ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans

#### 12. ECOLOGICAL INFORMATION

(Group 2B).

**ECOTOXICITY:** This material is not expected to be harmful to aquatic organisms. **ENVIRONMENTAL FATE:** This material is not expected to be readily biodegradable.

#### 13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

#### 14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT DOT HAZARD CLASS: NOT APPLICABLE DOT IDENTIFICATION NUMBER: NOT APPLICABLE DOT PACKING GROUP: NOT APPLICABLE

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#### 15. REGULATORY INFORMATION 1. Immediate (Acute) Health Effects: NO SARA 311 CATEGORIES: 2. Delayed (Chronic) Health Effects: NO NO 3. Fire Hazard: 4. Sudden Release of Pressure Hazard: NO NO 5. Reactivity Hazard: REGULATORY LISTS SEARCHED: 22=TSCA Sect 5(a)(2) 11≖NJ RTK 01-SARA 313 23≖TSCA Sect 6 12=CERCLA 302.4 02-MASS RTK 24=TSCA Sect 12(b) 03=NTP Carcinogen 13=MN RTK 25=TSCA Sect 8(a) 04=CA Prop 65-Carcin 14=ACGIH TWA 26=TSCA Sect 8(d) 05=CA Prop 65-Repro Tox 15=ACGIH STEL 16=ACGIH Calc TLV 27=TSCA Sect 4(a) 06-IARC Group 1 28=Canadian WHMIS 17=OSHA PEL 07=IARC Group 2A 18=DOT Marine Pollutant 29=OSHA CEILING 08-IARC Group 2B . 19=Chevron TWA 30=Chevron STEL 09-SARA 302/304 20=EPA Carcinogen 10=PA RTK The following components of this material are found on the regulatory lists indicated. DISTILLATES, HYDROTREATED HEAVY PARAFFINIC is found on lists: 14,15,17, EU RISK AND SAFETY STATEMENTS: May cause long-term adverse effects in the aquatic environment. NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL WHMIS CLASSIFICATION: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations. 16. OTHER INFORMATION NFFA RATINGS: Health 1; Flammability 1; Reactivity 0; HMIS RATINGS: Health 1; Flammability 1; Reactivity 0; (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association

**REVISION STATEMENT:** This is a new Material Safety Data Sheet

Revision Number: 0

(for HMIS ratings).

Revision Date: 10/25/97 MSDS Number: 006852

#### ABREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - T	hreshold Limit Value	TWA		Time Weighted Average
STEL - S	hort-term Exposure Limit	TPQ		Threshold Planning Quantity
RQ - R	eportable Quantity	PEL	-	Permissible Exposure Limit
c - c	eiling Limit	CAS	-	Chemical Abstract Service Number
A1-5 - A	ppendix A Categories	()	-	Change Has Been Proposed
NDA - N	o Data Available	NA	-	Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (2400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

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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 this information 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.

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Astrict I - (505) 393-6161       New Mexico         Obbis, NM 88241-1980       Energy Minerals and Natural Resource         Istrict II - (505) 748-1283       Oil Conservation Division         11 S. First       2040 South Pacheco Street         resia, NM 88210       2040 South Pacheco Street         ' trict III - (505) 334-6178       Santa Fe, New Mexico 8750.         ' Rio Brazos Road       (505) 827-7131	O <b>n</b> Submit Orig
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🖄	4. Generator Compression
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Hole # 352
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Environteach
<b>3.</b> Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Now Alaxonico
7. Location of Material (Street Address or ULSTR)	"A" See 27, T3LN, ROBW
9. <u>Circle One</u> :	Saw Jaan County, Dul
listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: New Ewgrace Orl Contaminated Soil; look Tubing	
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE: Harlan M. Brown TITLE: Landfarm M Waste Management FacilityAuthonized Agent TYPE OR PRINT NAME: Harlan M. Brown TELI	
(This space for State Use) APPROVED BY: DEMY Tout TITLE: Enviro,	HErge DATE: 571/02
APPROVED BY: Muntim Shy ' TITLE: Environ	mental Geologist DATE: 5-7-02



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

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

JENNIFER A. SALISBURY CABINET SECRETARY

2

## **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: UNIVERSAL Compression 3440 Morningstar Dr. Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <i>HALE 352</i> LEASE NO SE 079037 945 N' \$25 E SEC 27 T-3	Location of the Waste (Street address &/or ULSTR): I R OB JAN JAUN COUNTY
Attach list of originating sites as appropriate 4. Source and Description of Waste Existing of Leak From Side Court New	er CHSKETS, AND TELL. Tubing
1988, regulatory determination, the above described <b>EXEMPT</b> oilfield waste X NON-EXEM analysis or	IPT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or nor For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	
This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature): <u>Menneth C</u>	

Date: 4-17-02

er. F	MAY-02-2002 11:59	COASTAL CHEM	ICAL	'áu 505	327 9302 P.02
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		SEAR	тне ғити: CH ety d'ata'shee		HOMEPAGE
				Ningen nuseu Sea	rch Help
	EL MAR GEÓ			Click here for th	PDF version
	# 1. CHEMICAL PROD		VTIFICATION		
	MSDS Code: MOTCO		MAR GEO Re	vision Date:	19-oct-2000
	"EL MAR" is a reg	istered trademan	ck of Conoco.		
	Product Use: Grade: Conoco Blend Code:	15W-40, 30/4			
	MANUFACTURER/DIST	Conoco Inc. P.O. Box 2197 Houston, TX 772			
	Transport Eme Medical Emerg	1-703 gency : 1-800	-293-5550 REC 1-800-424-93 -527-3887 (inter -342-5119 or 1-2 conoco.com	rnational; ca 281-493-2767	ll collect)
	# 2. COMPOSITION/IN	FORMATION ON IN	GREDIENTS		
	Components Highly refined	base <b>oils</b>	CAS Numbers 64741-88-4 64741-89-5	30-100	
	Proprietary add If oil mist is ger	nerated, exposur	e limits apply.	0-15 (See Section	n 8_)
	3. HAZARDS IDENTIF		· · · · · · · · · · · · · · · · · · ·	- <b></b>	
	APPEARANCE / ODOR Light brown lic	EMERGENCY C guid / mild petr	vERVIEW oleum hydrocarbo	on odor.	
	OSHA REGULATORY ST This material i Regulations.		be hazardous as	defined under	OSHA
	HMIS RATING				

Health: 1; Flammability: 1; Reactivity: 0 Potential Health Effects Primary Route of Entry: Skin The product, as with many petroleum products, may cause minor skin, eve, and lung irritation, but good hygienic practices can minimize these effects. Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection. "USED" Motor Oil -There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact. Carcinogenicity Information None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. 4. FIRST AID MEASURES Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. Skin Contact Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician. Eve Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Ingestion Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Notes to Physicians Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult. 5. FIRE FIGHTING MEASURES ______ Flammable Properties Flash Point (15W-40) : 205 C (401 F) (Minimum) Method: PMCC 235 C (455 F) (Typical) Method: COC (30/40)263 C (505 F) (Typical) Method:Autoignition: Not AvailableNFPA Classification: Class IIIB Combustible Liquid. 263 C (505 F) (Typical) Method: COC : Health 0; Flammability 1; Reactivity 0 NFPA Rating Extinguishing Media Water Spray, Foam, Dry Chemical, CO2. Fire Fighting Instructions Water or foam may cause frolhing. Use water to keep fire-exposed

COASTAL CHEMICAL

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exposures.

containers cool. Water spray may be used to flush spills away from

Products of combustion may contain carbon monoxide, carbon dioxide

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and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection. 6. ACCIDENTAL RELEASE MEASURES Safeguards (Personnel) NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up. Remove source of heat, sparks, and flame. Initial Containment Dike spill. Prevent material from entering sewers, waterways, or low areas. Spill Clean Up Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material. 7. HANDLING AND STORAGE ______ Handling (Personnel) Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse. Handling (Physical Aspects) Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire. Storage Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry, well-ventilated place. Store away from oxidizers, heat, sparks and flames. _____ 8. EXPOSURE CONTROLS/PERSONAL PROTECTION Engineering Controls VENTILATION Normal shop ventilation. Personal Protective Equipment RESPIRATORY PROTECTION None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors. PROTECTIVE GLOVES Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended. EYE PROTECTION Safety glasses with side shields. OTHER PROTECTIVE EQUIPMENT Coveralls with long sleeves if splashing is probable. OTHER PRECAUTIONS Avoid any prolonged or repeated skin contact with "used" motor oil.

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orican	its - Material and Safe	ty Data Sheets	Page 4 c
	Mach thoroughly	with soap and water afte	r contact
A	pplicable Exposure		r contact.
		generated, exposure limit	s apply.
	PEL (OSHA)	: 5 mg/m3, 8 Hr	- TWA
	TLV (ACGIH)	: 5 mg/m3, 8 Hr	. TWA, STEL 10 mg/m3
9.	PHYSICAL AND CHEM	AICAL PROPERTIES	
P	hysical Data		
	Vapor Pressure	: Nil	
	Vapor Density	: >1 (Air-1.0)	
	<pre>% Volatiles</pre>	: Nil	
	Evaporation Rate		
		ater : Insoluble	
	Odor	: Petroleum Hydro	ocarbon (mild).
	Form	: Liquid.	
	Color	: Brown (11qnt).	
<b>~</b>	Density	: 7.31-7.34 lb/ga	
10.	STABILITY AND RE	ACTIVITY	
De	ecomposition	can react with oxidizers.	
	ecomposition Normal combustio produce carbon m olymerization Polymerization w	on forms carbon dioxide; i nonoxide.	incomplete combustion may
Pc	ecomposition Normal combustio produce carbon m olymerization Polymerization w TOXICOLOGICAL IN	on forms carbon dioxide; in nonoxide. vill not occur. NFORMATION	incomplete combustion may
Pc	ecomposition Normal combustion produce carbon molymerization Polymerization w TOXICOLOGICAL IN imal Data Mouse skin paint petroleum distil not caused skin "USED" Motor Oil Laboratory studi applied repeated the "Used" motor	on forms carbon dioxide; in nonoxide. Will not occur. FORMATION Ling studies have shown th lates similar to ingredie tumors.  es with mice have shown to ly to the skin caused.ski oil was not removed betw	incomplete combustion may hat highly solvent-refined ents in this product have that "Used" motor oil in cancer. In these studies, ween applications.
Pc	ecomposition Normal combustion produce carbon molymerization Polymerization w TOXICOLOGICAL IN imal Data Mouse skin paint petroleum distil not caused skin "USED" Motor Oil Laboratory studi applied repeated the "Used" motor	on forms carbon dioxide; in nonoxide. Will not occur. FORMATION ing studies have shown th lates similar to ingredie tumors. es with mice have shown th ly to the skin caused ski oil was not removed between MATION	incomplete combustion may hat highly solvent-refined ents in this product have that "Used" motor oil in cancer. In these studies,
Pc 11. Ar.	ecomposition Normal combustio produce carbon m olymerization Polymerization w TOXICOLOGICAL IN imal Data Mouse skin paint petroleum distil not caused skin "USED" Motor Oil Laboratory studi applied repeated the "Used" motor ECOLOGICAL INFOR	on forms carbon dioxide; in nonoxide. will not occur. FORMATION ing studies have shown th lates similar to ingredie tumors. es with mice have shown t ly to the skin caused ski oil was not removed betw MATION formation tic data available for th	incomplete combustion may hat highly solvent-refined ents in this product have that "Used" motor oil in cancer. In these studies, veen applications.
Pc	ecomposition Normal combustio produce carbon m olymerization Polymerization w TOXICOLOGICAL IN imal Data Mouse skin paint petroleum distil not caused skin "USED" Motor Oil Laboratory studi applied repeated the "Used" motor ECOLOGICAL INFOR	en forms carbon dioxide; in nonoxide. will not occur. FORMATION ing studies have shown th lates similar to ingredie tumors. es with mice have shown th ly to the skin caused ski oil was not removed betw MATION formation tic data available for th cRATIONS	hat highly solvent-refined ents in this product have that "Used" motor oil in cancer. In these studies, ween applications.

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containers should be disposed of in an environmentally safe manner. 14. TRANSPORTATION INFORMATION _____ Shipping Information DOT: Not regulated. ICAO/IMO: Not restricted. # 15. REGULATORY INFORMATION U.S. Federal Regulations OSHA HAZARD DETERMINATION Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion. SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances. SARA, TITLE III, 311/312 Acute : No Chronic : No Fire : No Reactivity : No Pressure : No SARA, TITLE III, 313 This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements. TSCA Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710). RCRA This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria. CLEAN WATER ACT The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802). : Petroleum Hydrocarbons. Ingredient : Film or sheen upon or discoloration of Reportable Quantity any water surface. State Regulations (U.S.) CALIFORNIA "PROP 65" This material may contain trace amounts of ingredients known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions. PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT This material is not known to contain any ingredient(s) subject to the Act. Canadian Regulations This is not a WHMIS Controlled Product. 

16. OTHER INFORMATION

Lubricants - Material and Safety Data Sheets

______ NOTE: This product or any other hydrocarbon-based lubricant should not be used in non-diaphragm compressors that produce "breathing air" unless the outlet is monitored continuously for carbon monoxide. These lubricants can produce carbon monoxide when subjected to high temperatures. The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Responsibility for MSDS : MSDS Coordinator Address : Conoco Inc. : PO Box 2197 > : Houston, TX 77252 > Telephone : 1-281-293-5550 # Indicates updated section.

End of MSDS

Questions can be directed to our MSDS administrator.

products services contacts news and info

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"trict III - (505) 334-6178       Santa Fe, New Mexico 87505       En         "Rio Brazos Road       (505) 827-7131       Oil O        c, NM 87410       En       Unit	
11 S. First       Conscivation Division         Intesia, NM 88210       2040 South Pacheco Street         Intesia, NM 88210       Santa Fe, New Mexico 87505         Intesia, NM 87410       Conscivation Division	
tesia, NM 88210       2040 South Pacheco Street       Image: Constraint of the strength of the strengt of the strength of the strength of the strength of the	
¹ Rio Brazos Road (505) 827-7131 Oil 0 ~c, NM 87410	AAY 0 6 2002 Submit Or Plus I
	Nironmental Division to appro
trict IV - (505) 827-7131 Env. JN:	
REQUEST FOR APPROVAL TO ACCEPT SOLID WA	· · · · · · · · · · · · · · · · · · ·
	ator CSI
Environte ah Cail Demodia	nating Site 5J 31-6 # 208
2. Management Facility Destination Facility Landfarm #2 6. Irans	porter Paul & Sous
3. Address of Facility Operator Farmington, NM 87401	Bus Munsico TBON, RGW Risduria
7. Location of Material (Street Address or ULSTR)	JON, KOD HISAUTIO
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 n	
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:	
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ARY E. JOHNSON			(806) 334-6178 FBE (30) JENNIFER A. SALIS
GOVERNOR		· .	CABINET SECRET
CERTIFI	CATE O	F WASTE STA	TUS 4.22.
1. Generator Name and Address: Compressor Systems P.O. Box 1886	INC	2. Destination Name: ENVIROTECH INC 5796 US HWY 64	
BLOOMFIELD N.M 87		FARMONGTON N.M.	
SECG RANGE GW TOWN: Attach list of originating situe as approp			·
ويستعمل والمستحد والمتكر والمستحد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد والمستعد			
4. Source and Description of Waste NEW & USED OAL FRO YEARS		VT OIL LEAKS OVER	2 A COUPLE OF
4. Source and Description of Wasta NEW & USED OBL FRO		NT OIL LEAKS OVEN	2 A COUPLE OF
4. Source and Description of Waste NEW & USED OBL FRO YEARS	om Øzfferr	VT OJL LEAKS OVEN	2 A COUPLE OF representative for:
4. Source and Description of Waste NEW & USED OBL FRO YEARS	Name)	Act (RCRA) and Environment	_representative for: _ do hereby certify that, al Protection Agency's July,
4. Source and Description of Waste NEW & USED OBL FRO YEARS PHELLER RAY (Print <u>COMPRESSOR</u> <u>SYSTEMS</u> Iscording to the Resource Conservati	Name) S INC bove described w NON-EXEMP	Act (RCRA) and Environment	_representative for: _ do hereby certify that, al Protection Agency's July, ication)
4. Source and Description of Wasta NEW & USED OAL FRA YEARS	Name) S INC ion and Recovery bove described w NON-EXEMP analysis or b	Act (RCRA) and Environment aste is: (Check appropriate classif T oilfield waste which is non- y product identification	_representative for: _ do hereby certify that, al Protection Agency's July, leation) hazardous by characteristic
4. Source and Description of Waste NEW & USED OBL FRO YEARS <u>COMPACESSOR</u> SYSTLMS Seconding to the Resource Conservati 1988, regulatory determination, the at	Name) <u>Jave</u> Name) <u>Jave</u> ion and Recovery bove described w <u>NON-EXEMP</u> analysis or b <u>Recovery</u> bove described w <u>NON-EXEMP</u>	Act (RCRA) and Environment aste is: (Check appropriate classis T oilfield waste which is non- y product identification exempt non-hazardous waste	_representative for: do hereby certify that, al Protection Agency's July, leation) hazardous by characteristic defined above.  ate (tems):

Date: <u>4/22/02</u>

## ENVIROTECH LABS

April 26, 2002

Ms. Sandy Baca Paul & Sons 210 West Main Street Bloomfield, New Mexico 87413

Client No.:93212-006

Dear Ms. Baca,

Enclosed are the analytical results for the sample collected from the location designated as "CSI S.J. 31-6 #208". One soil sample was collected by Paul & Sons designated personnel on 4/22/02, and delivered to the Envirotech laboratory on 4/23/02 for Total Metals RCRA list analysis.

The sample was documented on Envirotech Chain of Custody No. 9887 and assigned Laboratory No. 22581 (Lube Oil Soil) for tracking purposes.

The sample was analyzed on 4/24/02 using USEPA or equivalent methods.

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

Respectfully submitted, **Envirotech**, **Inc.** 

Christine M. Waltérs Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreports/Paul/.wpd

# ENVIROTECH LABS

#### TRACE METAL ANALYSIS

Client:	Paul & Son	Project #:	93212-006
Sample ID:	Lube Oil Soil	Date Reported:	04-24-02
Laboratory Number:	22581	Date Sampled:	04-22-02
Chain of Custody:	9887	Date Received:	04-23-02
Sample Matrix:	Soil	Date Analyzed:	04-24-02
Preservative:	Cool	Date Digested:	04-23-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.098	0.001	5.0
Barium	11.9	0.001	100
Cadmium	0.080	0.001	1.0
Chromium	2.29	0.001	5.0
Lead	2.66	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.051	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

CSI SJ 31-6 #208.

Analyst

mist Review

## ENVIROTECH LABS

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QAVQC	Project #:	N/A
Sample ID:	04-24-TM QA/QC	Date Reported:	04-24-02
Laboratory Number:	22572	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	04-24-02
Condition:	N/A	Date Digested:	04-23-02

Blank & Duplicate	- Instrument -	en Method	Detectio	on all Sample	Salas Duplicate	1 <b>* *</b> *	Acceptance
(Conc: (mg/Kg)	Blank (mg/L) 🛛	Blank	Limit			E Diff	Range
Arsenic	ND	ND	0.001	0.036	0.036	0.0%	0% - 30%
Barium	ND	ND	0.001	3.22	3.20	0.6%	0% - 30%
Cadmium	ND	ND	0.001	0.027	0.027	0.0%	0% - 30%
Chromium	ND	ND	0.001	2.19	2.17	0.9%	0% - 30%
Lead	ND	ND	0.001	1.66	1.65	0.6%	0% - 30%
Mercury	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.022	0.022	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Spike Sample Spike Percent te Acceptance

Arsenic	0.500	0.036	0.534	99.6%	80% - 120%
Barium	0.500	3.22	3.70	99.5%	80% - 120%
Cadmium	0.500	0.027	0.525	99.6%	80% - 120%
Chromium	0.500	2.19	2.66	98.9%	80% - 120%
Lead	0.500	1.66	2.14	99.1%	80% - 120%
Mercury	0.050	0.002	0.051	98.1%	80% - 120%
Selenium	0.500	0.022	0.521	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 22572 - 22574 and 22581.

Ånalyst

Daeters

	U	CHAIN OF CUS	F CUSTODY RECORD	09887
Client / Project Name Paul & Son		Project Location CSL SJ. 31-6 # 200	ANALYSIS / PARAMETERS	AMETERS
Sampler: Sandyt BACA		Client No. 93212-006	ی. of هنامودج رو ( ح	Remarks
No./ Sample Ition Date	Sample Time	Lab Number Matrix	tnoD	
<u>4</u> .22.02	15:00	225B1 Soil	}	
				-
Relinquished by: (Signature)		Date Time Re インティング アンソン	Received by: (Signature)	Date וושפ איל אילגעריש
Reimquished by: (Signature)			Received by: (Signature)	<u> </u>
Relinquished by: (Signature)			Received by: (Signature)	
		FOUIDOT	VIDOTFCH IOC	Sample Receipt
				Y N NA
		5796 U.S. Highway 64	lighway 64	Received Intact
		ramingion, New Mexico 07401 (505) 632-0615	V MEXICO 07 401	Cool - Ice/Blue Ice

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- - - - I. 43

	Rogen Handersy
isurict I - (505) 393-6161 O. Box 1980 obbs, NM 88241-1980 Istrict II - (505) 748-1283 1 S. First tesia, NM 88210 Tulet III - (505) 334-6178 Nito Brazos Road c, NM 87410 atrlet IY - (505) 827-7131	On MAR 0 4 2002
REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: Non-Exempt:	4. Generator Compression
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site SJ 30-6
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Humpico
7. Location of Material (Street Address or ULSTR)	
. <u>Circle One</u> :	"K" Sec 24, TBON, R7W Ris Arrobba Comby Day
listing or testing will be approved. All transporters must certify the wastes delivered are only those consigne BRIEF DESCRIPTION OF MATERIAL: Clean up of New wotor coll Spill	FEB 2002 CALCON DIV DIST. 3
Estimated Volume cy Known Volume (to be entered by the option of the company of the compa	
Waste Management FacilityAuthonzed Agent	EPHONE NO
(This space for State Use)	
APPROVED BY: Muture 9th TITLE: Environment	



Jack

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

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO B7410 (505) 334-5178 Fax (505)334-6170

GARY E. JOHNSON governor JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

53 30-6-#416

······	
1. Generator Name and Address:	2. Destination Name:
UNiversal compressiont JNC.	Envirotech Soil Remediation Facility
3440 mozning STAR DRive,	Landarm #2
FARMINGTON NM, 87401	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
SAN JUAN 30-6#416	"K" See 24, TBON, RTW
	Rio Avriban Conday NUL.
	into first concey way.
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
MOTOR OIL - Cow Kickel op	on value on new Conses EL Marzooo
motoroil storage toals, s	on value on new Conses EL Mar 3000 Soil contom, actual aroand Star ystul
· ۲	Hur
1, Jim Lewis (Print Name) UNIV-ERSAL COMPRESSION	representative for:
(Print Name)	
Universal Compression	do hereby certify that,
according to the Resource Conservation and Recov	very Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above describe	O Waste IS: (Check appropriate classification)
EXEMPT oilfield waste	EMPT oilfield waste which is non-hazardous by characteristic
analysis	or by product identification
ð	
and that nothing has been added to the exempt or r	non-exempt non-hazardous waste defined above.
- NON EVENDE	Antion is addressed (should account to the second
For NON-EXEMPT waste the following documen MSDS Information	Other (description):
RCRA Hazardous Waste Analysis	Other (description):
Chain of Custody	
This waste is in compliance with Regulated Levels of	f Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	· · ·
	R.
Name (Original Signature):	ers &
THE ARAA C Decisard	
Title: ARCA SUPErvisor	

Date: 6-28-01

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ay-15-01 04:07pm From-UNIVERSAL COMPRESSION	5053255027	T-233	P.02/09	F
(conoco)	MATERIAL SAFE			
·				
MOTC0070	Revised 26-NOV-1998	Pi	rinted 8-J	
EL MAR 300	0 ENGINE O	IL		
CHEMICAL PRODUCT/COMPANY IDENTI	FICATION			
Material Identification "EL MAR" is a registered tradema	rk of Conoco.			
·	, 15W-40			
Product Use Natural Gas Engine Oil				
Tradenames and Synonyms 7513, 7514, 7515 - Conoco Base C	odes			
Company Identification MANUFACTURER/DISTRIBUTOR Conoco, Inc. P.O. Box 2197 Houston, TX 77252				
PHONE NUMBERS Product Information 1-281-2 Transport Emergency CHEMTRE Medical Emergency 1-800-4	93-5550 C 1-800-424-9300 41-3637			
COMPOSITION/INFORMATION ON INGRI	EDIENTS			
Components Material	CAS Number	ઝ	, 	
Highly refined base oils		>80		
Proprietary additives		<20		_
				-
If oil mist is generated, exposu	re limits apply,			

5053255027

#### HAZARDS IDENTIFICATION

Potential Health Effects

Primary Route of Entry; Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil . There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

#### Carcinogenicity Information

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

#### FIRST AID MEASURES

#### First Aid INHALATION

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

#### SKIN CONTACT

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

#### EYE CONTACT

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

#### INGESTION

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

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

#### FIRST AID MEASURES(Continued)

#### Notes to Physicians

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

202 C (396 F) (SAE 30)

#### FIRE FIGHTING MEASURES

Flammable Properties Flash Point

	204 C (399 F) (SAE 40)
	193 C (379 F) (SAE 15Ŵ-40)
Method	Pensky-Martens Closed Cup - PMCC,
Flash Point	250 C (482 F) (SAE 30)
	257 C (495 F) (SAE 40)
	229 C (444 F) (SAE 15Ŵ-40)
Method	Cleveland Open Cup - COC.

Flash point(s) given above are typical values.

Autoignition N

Not Available

NFPA Classification Class IIIB Combustible Liquid.

#### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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

#### ACCIDENTAL RELEASE MEASURES

#### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

Aecover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

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5053255027

#### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

#### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

#### Storage

Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

Respiratory Protection: None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSHapproved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin contact. NBR or Neoprene recommended.

Eye/Face Protection: Safety glasses with side shields if splashing is probable.

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

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

# Exposure Guidelines Applicable Exposure Limits If oil mist is generated, exposure limits apply. 5 mg/m3, 8 Hr. TWA 5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3 PEL (OSHA) TLV (ACGIH)

T-233 P 06/09 F-846

#### EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

AEL * (DuPont) Notice of Intended Changes (1998) 5 mg/m3, 8 Hr. TWA, (As sampled by method that does not collect vapors) 5 mg/m3, 8 Hr. TWA

• AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

#### PHYSICAL AND CHEMICAL PROPERTIES

Physical Data Boiling Point Vapor Pressure Vapor Density % Volatiles Evaporation Rate Solubility in Water Odor Form Color Specific Gravity Density

700-1100 F (371-593 C) Nil >1 (Air = 1) Nil Insoluble Petroleum hydrocarbon (mild) Liquid Amber to Brown 0.88 @ 60 F (16 C) 7.34-7.36 lb/gal @ 60 F (16 C)

#### STABILITY AND REACTIVITY

Chemical Stability Stable at normal temperatures and storage conditions.

Conditions to Avoid Heat, sparks, and flames.

Incompatibility with Other Materials Incompatible or can react with oxidizers.

Decomposition Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization

Polymerization will not occur.

#### TOXICOLOGICAL INFORMATION

Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.
#### ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

#### DISPOSAL CONSIDERATIONS

#### Waste Disposal

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

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

#### TRANSPORTATION INFORMATION

Shipping Information DOT Not regulated.

ICAO/IMO Not restricted.

#### **REGULATORY INFORMATION**

U.S. Federal Regulations OSHA HAZARD DETERMINATION Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	:	No
Chronic	:	No
Fire	:	ND
Reactivity	:	No
Pressure	:	No

SARA, TITLE III, 313

5053255027

#### REGULATORY INFORMATION(Continued)

This material is not known to contain any chemical(s) at a level of 1.0% or greater (0,1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements.

TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

CLEAN WATER ACT

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

Ingredient	Petroleum Hydrocarbons.
Reportable Quantity	Film or sheen upon or discoloration of any water surface.

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

CALIFORNIA "PROP 65" This material may contain trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

#### OTHER INFORMATION

NFPA Rating Health Flammability	0 1						
Reactivity	D						
NPCA-HMIS Rating							
Health	1						
Flammability	1		-				
Reactivity	0						
Personal Protection conditions.	rating to b	e supplied	by u	ser	depending	on	use

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

Telephone : 1-281-293-5550	Address > >	DS : MSDS Coordinator : Conoco Inc. : PO Box 2197 : Houston, TX 77252 : 1-281-293-5550
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# Indicates updated section.

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End of MSDS

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Diatrict I - (505) 393-6161 New Mexico	RECEIVED Form C 12
P.O. Box 1980	RECEIVED Form'C-13 es Department Originated 8/8/9
P.O. Box 1980 Hobbi, NM 88241-1980 District II - (505) 748-1283 District II - (505) 748-1283 District II - (505) 748-1283	MAR 0 4 2002
811 S. First	
Artesia, NM 88210 2040 South Pacheco Street "trict III - (505) 334-6178 Santa Fe, New Mexico 87505	
Rio Brazos Road         (505) 827-7131	to appropria
L.cc, NM 87410 District IV - (505) 827-7131	Env. JN: 98059-009 District Office
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Compression
Verbal Approval Received: Yes 🗋 No 🔀	5. Originating Site 5J.29-7-552
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
5796 US Highway 64	8. State New Marico
Farmington, NH 87401	"N" Sec 12, 729N R7W
7. Location of Material (Street Address or ULSTR)	
9. <u>Circle One</u> :	Rio Arribba County, Na.
A. All requests for approval to accept oilfield exempt wastes will be acco	impanied by a certification of waste from the
Generator; one certificate per job.	manied by personal chamical analysis to
B. All requests for approval to accept non-exempt wastes must be acco PROVE the material is not-hazardous and the Generator's certification	n of origin. No waste classified bazardous by
listing or testing will be approved.	to organi the matte classified hazardous by
Ail transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL:	
Clean up of a compressor oil s	pill.
	525252120 30
	Bur A BAR
	FEB 2002
	R AL U
	CILCON DIV
	DIST. 3 OF
	A 27 11 01 6 00
13	autoria and a second and a second and a second a
Estimated Volume cy Known Volume (to be entered by the open	rator at the end of the haul) cy
	· ·
SIGNATURE: Harden Ma	nager DATE: 02.27.02
Waste Management FacilityAuthorized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TELE	PHONE NO
(This space for State Use)	N
	L L
APPROVED BY: Dent tout TITLE: Envir	0/ Engl- DATE: 02/28/02
APPROVED BY: DEmy tout TITLE: Envir	0/ Engl- DATE: 02/28/02

TITLE: Environmental Gaulousts DATE: 3-4-02

APPROVED BY: Mutim

55 29-7 4552

# RECEIVED JUN 2 9 2001



warman -

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

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

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: UniverSAL Compressions Fre, 3440 morning STAR DRIVE, FAAmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
SAN JUAN 29-7-552	
	"N" See 12, TZ9N, R7W
	Rio Arribles Comby.
Attach list of originating sites as appropriate	Ÿ
4. Source and Description of Waste	
Compressor oil is Line bro	ateon inter compresses oil the.
Soil Contami	atean inlat composed oil lie . about around Composed. Huits
L <u></u>	
1 Lon Levins	representative for:
I, Jim Lewis (Print Name) (MiddkSAL Comparession Tuc,	
UNIJERSAL COMPRESSION THIC,	do hereby certify that
according to the Resource Conservation and Re 1988, regulatory determination, the above descr	covery Act (RCRA) and Environmental Protection Agency's July
1908, regulatory determination, the above descr	ibeu waste is. (check appropriate classification)
EXEMPT oilfield wasteNON-l analys	EXEMPT oilfield waste which is non-hazardous by characteristic sis or by product identification
and that nothing has been added to the exempt	or non-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following docun MSDS Information RCRA Hazardous Waste Analys Chain of Custody	Other (description):
to 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signat <del>ure).</del>	s of Naturally Occurring Radioactive Material (NORM) pursuant
Title: AREA Supervisor	
Date: 6-28-01	

-15-01 04:07pm From-U	INIVERSAL COMPRESS	ION .	5053255027	T-233	P.02/09	F-846
,		; 				
conoc	6					
	6		ATERIAL SA	ETY DA	TAS	HEET
OTC0070		R	evised 26-NOV-1998	PI	rinted 8-J	AN-19
			ENGINE	OIL		
HEMICAL PRODUC Material Identi	-	I DENTIFIC	AIION			
"EL MAR" is a		trademark	of Conoco			
Grade	<u> </u>	30, 40, 1	5W-40			
<b>Product Use</b> Natural Gas E	ngine Oil					
Tradanamor and	Synonyms	Base Code	\$			
Tradenames and 7513, 7514, 7						
Company Identif MANUFACTURER/	ication	2197		e.		
7513, 7514, 75 Company Identif:	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1 ormation mergency	1-281-293-1	-800-424-9300	ι		
7513, 7514, 7 Company Identif: MANUFACTURER/ PHONE NUMBERS Product Info Transport En Medical Emer	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1 ormation mergency rgency	2197 X 77252 1-281-293-5 CHEMTREC 1 1-800-441-5	-800-424-9300 3637	L		
7513, 7514, 7 Company Identif: MANUFACTURER/I PHONE NUMBERS Product Info Transport Ed Medical Emel DMPOSITION/INFO	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1 ormation mergency rgency	2197 X 77252 1-281-293-5 CHEMTREC 1 1-800-441-5	-800-424-9300 3637	د 		
7513, 7514, 7 Company Identif: MANUFACTURER/ PHONE NUMBERS Product Info Transport En Medical Emer	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1 ormation mergency rgency	2197 X 77252 1-281-293-5 CHEMTREC 1 1-800-441-5	-800-424-9300 3637			
7513, 7514, 7 Company Identif: MANUFACTURER/I PHONE NUMBERS Product Info Transport En Medical Emen COMPOSITION/INFO Components	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, T ormation mergency rgency	2197 X 77252 1-281-293-5 CHEMTREC 1 1-800-441-5	-800-424-9300 8637 INTS			

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(Cominued)

#### HAZARDS IDENTIFICATION

Potential Health Effects

Primary Route of Entry; Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -

There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

Carcinogenicity Information

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

#### FIRST AID MEASURES

#### First Aid

INHALATION

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

SKIN CONTACT

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

EYE CONTACT

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

INGESTION

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

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

#### FIRST AID MEASURES(Continued)

#### Notes to Physicians

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

202 C (396 E) (SAF 30)

#### FIRE FIGHTING MEASURES

Flammable Properties Flash Point

204 C (399 F) (SAE 40)
193 C (379 F) (SAE 15W-40)
Pensky-Martens Closed Cup - PMCC,
250 C (482 F) (SAE 30)
257 C (495 F) (SAE 40)
229 C (444 F) (SAE 15W-40)
Cleveland Open Cup - COC.

Flash point(s) given above are typical values.

Autoignition

Not Available

Class IIIB Combustible Liquid. NFPA Classification

#### Extinguishing Media Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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

#### ACCIDENTAL RELEASE MEASURES

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

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#### HANDLING AND STORAGE

#### Handling (Personnel)

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

#### Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

#### Storage

Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

Respiratory Protection: None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSHapproved respiratory protection where necessary to maintain exposures below acceptable limits. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

Protective Gloves: Should be worn when the potential exists for prolonged or repeated skin contact. NBR or Neoprene recommended.

Eye/Face Protection: Safety glasses with side shields if splashing is probable.

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

Other Precautions: Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

# Exposure Guidelines
 Applicable Exposure Limits
 If oil mist is generated, exposure limits apply.
 PEL (OSHA) 5 mg/m3, 8 Hr. TWA
 TLV (ACGIH) 5 mg/m3, 8 Hr. TWA, STEL 10 mg/m3

#### EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)

AEL * (DuPont) Notice of Intended Changes (1998) 5 mg/m3, 8 Hr. TWA, (As sampled by method that does not collect vapors) 5 mg/m3, 8 Hr. TWA

" AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

#### PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point Vapor Pressure Vapor Density % Volatiles Evaporation Rate Solubility in Water Odor Form Color Specific Gravity Density 700-1100 F (371-593 C) Nil >1 (Air = 1) Nil Insoluble Petroleum hydrocarbon (mild) Liquid Amber to Brown 0.88 @ 60 F (16 C) 7.34-7.36 lb/gal @ 60 F (16 C)

#### STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid Heat, sparks, and flames.

Incompatibility with Other Materials Incompatible or can react with oxidizers.

Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization

Polymerization will not occur.

#### TOXICOLOGICAL INFORMATION

#### Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

#### ECOLOGICAL INFORMATION

#### Ecotoxicological Information

No specific aquatic data available for this product.

#### DISPOSAL CONSIDERATIONS

#### Waste Disposal

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

#### Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

#### TRANSPORTATION INFORMATION

Shipping Information DOT Not regulated.

ICAO/IMO Not restricted.

#### REGULATORY INFORMATION

U.S. Federal Regulations OSHA HAZARD DETERMINATION Under normal conditions of use, this material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND Not applicable; this material is covered by the CERCLA petroleum exclusion.

SARA, TITLE III, 302/304 This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

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

SARA, TITLE III, 313

#### REGULATORY INFORMATION(Continued)

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

TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

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

Ingredient Reportable Quantity Petroleum Hydrocarbons. Film or sheen upon or discoloration of any water surface.

#### State Regulations (U.S.) CALIFORNIA "PROP 65"

This material may contain trace amount(s) of an ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

#### OTHER INFORMATION

NFPA, NPCA-HMIS NFPA Rating Health	0			
Flammability		r		
Reactivity	D			
NPCA-HMIS Rating Health Flammability Reactivity	1 1 0			
Personal Protection conditions,	rating to be	supplied by	user depending	on use

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

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Responsibility for MSDS	: MSDS Coordinator
Address	: Conoco Inc.
>	: PO Box 2197
>	: Houston, TX 77252
Telephone	: 1-281-293-5550

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# Indicates updated section.

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End of MSDS

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

#### New Mexico RECEIVED Energy Minerals and Natural Resources Department Oil Conservation Division FEB 2 0 2002 Oil Conservation Division Environmental Bureau 2040 South Pacheco Street Oil Conservation Division Santa Fe, New Mexico 87505 (505) 827-7131

Form C-138 Originated 8/8/9

Submit Origina

Env. JN: 010 38

Plus I Čop to appropriat **District** Offic

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE				
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	Compressor Systems 4. Generator INC.			
Verbal Approval Received: Yes 🛄 No 🖂	5. Originating Site NE BLANCO# 438			
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter PAul & Sons			
<b>3. Address of Facility Operator</b> <b>5796 US Highway 64</b> Farmington, NM 87401	8. State ji an Alapico			
7. Location of Material (Street Address or ULSTR)	NERE Sec (B, T31N, RGW SAN Juan County NAL			
<ol> <li><u>Circle One</u>:</li> <li>A. All requests for approval to accept oilfield exempt wastes will be accepted and the accepted of the second second</li></ol>				
<ul> <li>Generator; one certificate per job.</li> <li>B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved.</li> </ul>	ompanied by necessary chemical analysis to			
All transporters must certify the wastes delivered are only those consigned	I for transport.			
BRIEF DESCRIPTION OF MATERIAL:				
New hube oil appet @ loose Fi	FEB 2002 FEB 2002 RECEIVED ONL CON. DIV DIST. 3 FEB 2002 FEB			
Estimated Volume ( O cy Known Volume (to be entered by the operator at the end of the haul) cy				
SIGNATURE: How Management Facility Authonized Agent Waste Management Facility Authonized Agent TYPE OR PRINT NAME: Harlan M. Brown TELE	Anager DATE: <u>62-08-02</u> SPHONE NO. 505-632-0615			
(This space for State Use) APPROVED BY: <u>Jerry Form</u> TITLE: <u>Environm</u> APPROVED BY: <u>Muthan Mill</u> TITLE: <u>Environm</u>	<u>Fingt</u> DATE: 02/14/02 00 mbl 6 culust DATE: 02/20/02			



# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

## **CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: COMPRESSOR SYSTEMS INC. 12.0 BOX 1886	2. Destination Name: ENVirotech ENC. LUNDFAREN #2 5796 45 HWY69 Hilltop, NAL.
BLOOMFIELD NM 87413	Farmington, NA 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
NEBU 438 (UNIT # 404408)	
1210' FNL - 1245 FEL ' SECTION	18, TOWNSHIP 3INORTH, RANGE 6WEST
54	N JUAN CONFY NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
COMPRESSOR OIL WHICH LEAKE	D OUT BY MEANS OF A FILTER
	A SCHEDULED MAINTEN ANCE AFTER
i -	THE OIL WAS CONTAINED BUT SOME
RAN ONTO GROUND	THE OLC DAY CONTAINED BUT SOME
1. DANIEL RAEL	representative for:
(Print Name)	
COMPLESSOR SYSTEMS INC. according to the Resource Conservation and Recover 1988, regulatory determination, the above described	do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
	MPT oilfield waste which is non-hazardous by characteristic r by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	ation is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of I to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	Raci
Title: MAINTENANCE SUPERINTENDER	JT

2 May 23 2001 08:16AM P3

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102

Date:

: MORF



# **Material Safety Data Sheet**

Page 1 of 7

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### CHEVRON HDAX NG Screw Compressor Oil

PRODUCT NUMBER(S): CPS255204 CPS255205 SYNONYM: CHEVRON HDAX NG Screw Compressor Oil ISO 150 CHEVRON HDAX NG Screw Compressor Oil ISO 68

#### COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

Chevron Products Company Global Lubricants 555 Market St. Room 803 San Francisco, CA 94105-2870 HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500 Environmental, Safety, & Health Info: (415) 894-0703 Product Information: (800) 582-3835

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON HDAX NG Screw Compressor Oil

#### CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PAR Chemical Name: DISTILLATES CAS64742547 >		HEAVY PARAFFINIC 5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL
ADDITIVES < COMPOSITION COMMENT:	20.00%		



Revision Number: 0

Revision Date: 10/25/97

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

Act Chemical Substances Inventory.

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

#### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

EYE:

Not expected to cause prolonged or significant eye irritation. **SKIN:** 

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

#### INGESTION:

Not expected to be harmful if swallowed.

#### INHALATION:

Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

#### 4. FIRST AID MEASURES

#### EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

#### SKIN:

No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

#### INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

#### 5. FIRE FIGHTING MEASURES

#### FIRE CLASSIFICATION:

Classification (29 CFR 1910,1200): Not classified by OSHA as flammable or

Revision Number: 0

Revision Date: 10/25/97

combustible.
FLAMMABLE PROPERTIES:
FLASH POINT: (COC) 419-446F (215-230C) Min.
AUTOIGNITION: NDA
FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA
EXTINGUISHING MEDIA:
 CO2, Dry Chemical, Foam, Water Fog
NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.
FIRE FIGHTING INSTRUCTIONS:
This material will burn although it is not easily ignited.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor and may produce
oxides of nitrogen and phosphorus. Incomplete combustion can produce
carbon monoxide.

#### 6. ACCIDENTAL RELEASE MEASURES

#### CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887 International Collect Calls Accepted ACCIDENTAL RELEASE MEASURES:

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.

#### 7. HANDLING AND STORAGE

Do not use pressure to empty drum or drum may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

#### PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION:

No special eye protection is normally required __Where splashing is

Revision Number: 0

Revision Date: 10/25/97



possible, wear safety glasses with side shields as a good safety practice. SKIN PROTECTION: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: <Viton> <Nitrile> <Silver Shield> <4H> RESPIRATORY PROTECTION: No special respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended exposure limits. If not, select a NIOSH/MSHA approved respirator that provides adequate protection from concentrations of this material. Use the following elements for air-purifying

respirators: particulate.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Liquid. pH: NDA VAPOR PRESSURE: NA VAPOR DENSITY (AIR=1): NA BOILING POINT: NDA FREEZING POINT: NDA MELTING POINT: NA SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water. SPECIFIC GRAVITY: NDA DENSITY: NDA EVAPORATION RATE: NA VISCOSITY: 61.2 - 135 cSt @ 40C (Min.) PERCENT VOLATILE (VOL): NA

#### **10. STABILITY AND REACTIVITY**

HAZARDOUS DECOMPOSITION PRODUCTS: No data available. CHEMICAL STABILITY: Stable. CONDITIONS TO AVOID: No data available. INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. HAZARDOUS POLYMERIZATION: Polymerization will not occur.

#### 11. TOXICOLOGICAL INFORMATION

**Revision Number: 0** 

Revision Date: 10/25/97

#### EYE EFFECTS: The eye irritation hazard is based on data for a similar material. SKIN EFFECTS: The skin irritation hazard is based on data for a similar material. ACUTE ORAL EFFECTS: The acute oral toxicity is based on data for a similar material. ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on data for a similar material. ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans

(Group 2B).

#### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY:

This material is not expected to be harmful to aquatic organisms. ENVIRONMENTAL FATE: This material is not expected to be readily biodegradable.

#### **13. DISPOSAL CONSIDERATIONS**

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

#### 14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT DOT HAZARD CLASS: NOT APPLICABLE DOT IDENTIFICATION NUMBER: NOT APPLICABLE DOT PACKING GROUP: NOT APPLICABLE



**Revision Number: 0** 

Revision Date: 10/25/97

#### 15. REGULATORY INFORMATION

SARA 311 CATEGORIES:	<ol> <li>Immediate (Acute) Health Eff</li> <li>Delayed (Chronic) Health Eff</li> <li>Fire Hazard:</li> <li>Sudden Release of Pressure D</li> <li>Reactivity Hazard:</li> </ol>	fects: NO NO
REGULATORY LISTS SEARCHEI	:	
01=SARA 313	1]=N.1 RTK 22=TSC	A Sect $5(a)(2)$

OT=PAKA 212	II=NJ RIK	ZZ=TSCA Sect S(d)(Z)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28≃Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC is found on lists: 14,15,17,

#### EU RISK AND SAFETY STATEMENTS:

May cause long-term adverse effects in the aquatic environment. NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL

#### WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

#### 16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0; HMIS RATINGS: Health 1; Flammability 1; Reactivity 0; (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

#### **REVISION STATEMENT:** This is a new Material Safety Data Sheet



Revision Date: 10/25/97 MSDS Number: 006852

#### ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
Al-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

#### 

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



Revision Number: 0

Revision Date: 10/25/97

District I - (505) 393-6161 P. O: Box 1980	Form C-138
Hobby, NM 88241-1980 Diatrice II - (505) 748-1283 Cil Conservation Divisi	▲
811 S. First On Conservation Divisi	
Artesia, NM 88210         2040 South Pacheco Street           D ¹ trict III - (505) 334-6178         Santa Fe, New Mexico 8750	
Rio Brazos Road (505) 827-7131	to appropriat
Lac, NM 87410 District IV - (505) 827-7131	District Offic Env. JN: <u>01038-00</u>
REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	Comprossor Systems 4. Generator (dC.
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site NE Blanco 456
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Sons
<b>3. Address of Facility Operator</b> 5796 US Highway 64 Farmington, NM 87401	8. State Hum Whenpica
7. Location of Material (Street Address or ULSTR)	NONE SEC 26, T3/N, R7W SAN Juan Coundy D.C.
9. <u>Circle One</u> :	J
A. All requests for approval to accept oilfield exempt wastes will be acc	companied by a certification of waste from the
Generator; one certificate per job.	
B. All requests for approval to accept non-exempt wastes must be acc PROVE the material is not-hazardous and the Generator's certification	
listing or testing will be approved.	on or origin. No waste classified nazardous by
All transporters must certify the wastes delivered are only those consigne	d for transport.
BRIEF DESCRIPTION OF MATERIAL:	
USED lubre oil up set @ a b	voken time
$\mathbf{V}_{i}$	10° 11° 10
	\$9 WILL 132
	57 FEB 2002
	T RECEIVED =
	CALCON DIV
	DIST. 3
	Var. alt
	12 92 52 Vinter 19
(0	and the second
Estimated Volume cy Known Volume (to be entered by the opt	erator at the end of the haul) cy
SIGNATURE: france TITLE: Landfarm M	DATE: 02-08.02
Waste Management FacilityAuthorized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TEL	EPHONE NO
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
(This space for State Use)	
APPROVED BY: A Server Jeen TITLE: HUM	2/Encr DATE: 02/14/02
APPROVED BY: Manten The TITLE: Environe	unte (Geologist DATE: 02/18/02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

a second se	
1. Generator Name and Address: Compressor Systems INC. P.O. Box 1886 BLOOMFIELD, NM B7413	2. Destination Name: ENVIROTECH JWC, LANDFARM #2 5796 Howr 64 (Hilltop, NM) Farmington, NM, 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR);
NEBY 456 (WIT # 410163)	
SECTION 26; RANGE 7 WEST; 7 1340 FEET FNL; 1105 FEET FE Attach list of originating sites as appropriate 4. Source and Description of Waste	FOUNDSHIP 31 NORTH; COUNTY SAN JUAN EL
LINE ON COMPRESSOR AND MC RAN ONTO GROUND	D BY. MEANS OF A BROKEN DIL DST WAS CONTAINED BUT SOME
1. DANIEL RAEL (Print Name)	representative for:
Compressoe Systems Inc. according to the Resource Conservation and Recove 1988, regulatory determination, the above described	ry Act (RCRA) and Environmental Protection Agency's July,
	MPT oilfield waste which is non-hazardous by characteristic r by product identification
and that nothing has been added to the exempt or no	n-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	ation is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	RA

Title:	MAINTEN	ANCE	SUPERINTENPENT
--------	---------	------	----------------

Date: 26/02

May. 23 2001 08:16AM P3

: MORT

ENVIROTECH LABS

February 7, 2002

Mr. Sandy Baca Paul and Sons Construction 210 W. Main St. Bloomfield, New Mexico 87413

Phone: (505) 632-7476 Fax: (505) 632-0085

Client No.: 93212-001

Dear Mr. Baca,

Enclosed are the analytical results for the sample collected from the location designated as "CSI NEBU 456". One soil sample was collected by Paul & Sons Const. designated personnel on 2/06/02, and delivered to the Envirotech laboratory on 2/07/02 for Total Metals RCRA list analysis.

The sample was documented on Envirotech Chain of Custody No. 9778 and assigned Laboratory No. 22006 (NEBU #456) for tracking purposes.

The sample was analyzed on 2/07/02 using USEPA or equivalent methods.

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

Respectfully submitted, **Envirotech**, **Inc.**

Christine M. Walters Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreports/Paul/.wpd

ENVIROTECH LABS

TRACE METAL ANALYSIS

Client:	Paul & Sons Const.	Project #:	93212-001
Sample ID:	NEBU #456	Date Reported:	02-07-02
Laboratory Number:	22006	Date Sampled:	02-06-02
Chain of Custody:	9778	Date Received:	02-07-02
Sample Matrix:	Soil	Date Analyzed:	02-07-02
Preservative:	Cool	Date Digested:	02-07-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)			
1						
Arsenic	0.018	0.001	5.0			
Barium	18.2	0.001	100			
Cadmium	0.026	0.001	1.0			
Chromium	1.74	0.001	5.0			
Lead	3.55	0.001	5.0			
Mercury	ND	0.001	0.2			
Selenium	0.006	0.001	1.0			
Silver	ND	0.001	5.0			

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments:

CSI - NEBU #456.

L. -u) Analyst

misting malters Review

ENVIROTECH LABS

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:		QA/QC		Project #:		N/A			
Sample ID:		02-07-TM	QA/QC	Date Repo	02-07-02				
Laboratory Number:		22005		Date Sam	N/A				
Sample Matrix:		Soil		Date Rece	eived:		N/A		
Analysis Requested:		Total RCR/	A Metals	Date Anal	vzed:		02-07-02		
Condition:		N/A		Date Dige	•		02-07-02		
				J		<u>.</u>			
The argument of the second s	Instrument	Standard and the state of the s	Detectio	on Sample	Duplicate	%	Acceptance		
The second	llank (mg/L	C COMPOSITION CONTRACTOR	Limit	0.006	0.006	Diff.	Range		
Arsenic	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%		
Barium	ND	ND	0.001	5.59	5.62	0.5%	0% - 30%		
Cadmium	ND	ND	0.001	0.060	0.058	3.3%	0% - 30%		
Chromium	ND	ND	0.001	2.31	2.30	0.4%	0% - 30%		
Lead	ND	ND	0.001	4.86	4.84	0.4%	0% - 30%		
Mercury	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%		
Selenium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%		
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%		
Spike		Spike	Sampl	e Spiked	Percent		Acceptance		
Conc. (mg/Kg)		Added		Sample	and the Cardson Constant of the second		Range		
Arsenic	0.500		0.006	0.006 0.505 99.8%			80% - 120%		
Barium 0.500		5.59	6.10	100.2%		80% - 120%			
Cadmium		0.500	0.060	0.558	99.6%		80% - 120%		
Chromium		0.500	2.31	2.80	99.6%		80% - 120%		
			4.86	5.32	99.3%		80% - 120%		
Lead 0.500 4.86		0.02	00.070		00 /0 - 120 /0				

Selenium0.5000.0020.50199.8%Silver0.500ND0.49999.8%

0.001

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

0.050

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

0.050

Comments:

Mercury

QA/QC for samples 22005 - 22006.

C. Cejum Analyst

Christin Malters Review

98.0%

80% - 120%

80% - 120%

80% - 120%

09778	AMETERS	Remarks						+	Date Time ゼクレー ない			Sample Receipt	Y N NA	Received Intact	Cool - Ice/Blue Ice
OF CUSTODY RECORD	ALEBU USS PARAMETERS)	Sample Matrix	Soil / /					Date Time Received by: (Signature)		Received by: (Signature)			5796 U.S. Highway 64	rarmington, New Mexico 87401 (505) 632-0615
CHAIN O	Client / Project Name CS Part & Set 13 Project Location		Sample No./ Sample Sample Lab Number Identification Date Time Lab Number	56 2					Relinquished by: (Signature)	Relinquished by: (Sugnature)	Relinquished by: (Signature)				

Intrict I - (505) 393-6161New MexicoD Box 1980Energy Minerals and Natural ResourceIntrict II - (505) 748-1283Oil Conservation Division1 S. First2040 South Pacheco StreetTesia, NM 88210Santa Fe, New Mexico 87505	ON Submit Original	
Rio Brazos Road (505) 827-7131	Env. JN: 95026 District Office	
<u>strict IV</u> - (505) 827-7131		
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	4. Generator BJ. Services	
Verbal Approval Received: Yes 🔲 No 🗹	5. Originating Site Sludge Pct.	
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter ENULVATECH	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico	
7. Location of Material (Street Address or ULSTR)	3250 Southside River Rd Farmington WM 87401	
9. <u>Circle One</u> :		
 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: Continuation of use of wash by Sacids. 		
TCLP & REAFFIRMATION St	FEB 2002 RECEIVED	
30	DIST. 3	
Estimated Volume cy Known Volume (to be entered by the operator at the end of the haul) cy		
SIGNATURE: <u>Handson Management Facility Authorized Agent</u> Waste Management Facility Authorized Agent		
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615		
(This space for State Use)		
APPROVED BY: Mintum Ship. TITLE: Environmental Geologist DATE: 02/11/02		

;



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

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

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: BJ. Securces	2. Destination Name: Envirotech Soil Remediation Facility	
BJ. SEevices 3250 Southside Riser Rd	Landarm #2	
Formington, NOV 87401	Hilltop, New Mexico	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):	
Wash bay	· · · · · · · · · · · · · · · · · · ·	
Attach list of originating sites as appropriate		
4. Source and Description of Waste		
Continuation of wash bay Solids.		
L	· · · · · · · · · · · · · · · · · · ·	
1, <u>Les Baugh</u> BJ Services	representative for:	
(Print Name)	representative for.	
BJ Services	do hereby certify that,	
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)		
EXEMPT oilfield waste NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification		
and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.		
For NON-EXEMPT waste the following documentation is attached (check appropriate items): MSDS Information Other (description): Second Hazardous Waste Analysis Chain of Custody		
This waste is in compliance with Regulated Levels of N to 20 NMAC 3.1 subpart 1403.C and D. Name (Original Signature):	Naturally Occurring Radioactive Material (NORM) pursuant	
Date: 1/31/02		