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 I S. First NOV 1 8 2002 Conservation Division Oil Conservation Division 2040 South Pacheco Street Creatia NM 88210 Conservation Division Santa Fe, New Mexico 87505 Rio Brazos Road CIL CONSERVATION South 87410 Supervision Division Conservation Division Santa Fe, New Mexico 87505 Division South 87410 Supervision Supervision Conservation Division Santa Fe, New Mexico 87505 Division Supervision Conservation Division Supervision Conservation Division Supervisi	Env. JN: <u>02099-001</u> Form C-138 Originated 8/8/95 Submit Original Plus 1 Copy to appropriate District Office
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Ju operating
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 non-exempt wastes must be according to the exempt wastes must be according to accept non-exempt wastes must be according to accept non-exempt wastes must be according to accept non-exempt wastes must be according to accept 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 Content to the other many Page 100 and 100 a	pompanied by necessary chemical analysis to n of origin. No waste classified hazardous by 1 for transport.
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE:	erator at the end of the haul)
	61 =
APPROVED BY: May And - TITLE: Environ N	Engt DATE: 11/14/02 mbg/ Grologist 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
TL.) Oracoting	Envirotech Soil Remediation Facility
2405 B Southside River Rd.	Landfarm #2
Forminaton Nm 87401	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
NEBU 5A	
TO, UN Ship JOUR BW	
Section 11	
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
Peg 485 new o'l.	
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$(m_{\rm ev})$ (1)	
1, 11 Jax L. Klonn.	representative for:
JUD Operating	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	IPT oilfield waste which is non-hazardous by characteristic
analysis or	by product identification
and that nothing has been added to the exempt or not	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	
This waste is in compliance with Regulated Levels of f	laturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	
ورسانه المحمد المحمد المربية الأنافين والمنابي وعامين ومنافعتهم المتعالم معني ومالا أوري والمتافة المرامع	
Name (Original Signature): Max 6. K h	hn
Title: Lead Tech	
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

istrict I - (505) 393-6161 O. Box 1940 obbs, NM 88241-1980 istrict II - (505) 748-1283 11 S. First rtesia, NM 88210 istrict III - (505) 334-6178 000 Rio Brazos Road ztec, NM 87410 istrict IV - (505) 827-7131	New Mexico erals and Natural Resource Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131	n DEPARTMENT DEPARTMENT	Form C-138 Originated 4/18/95 Submit Original Plus 1 Copy to appropriate District Office
REQUEST FO	RAPPROVAL TO ACCEPT	SOLID WASTE	
1. RCRA Exempt: 🔲 Non-Exempt:	D.F \$10/7/01 8:30am	4. Generator CST	
Verbal Approval Received: Yes		5. Originating Site 31-0	#207
2. Management Facility Destination	lify Randfarm#2	6. Transporter Paul	+ Sons
3. Address of Facility Operator Sarmu	s May 64 0 Ato, NM 87401	8. State NM	
7. Location of Material (Street Address or	ULSTR) Sec. 6 T30n, R6W	inmpin	
 9. <u>Circle One</u>: A. All requests for approval to accept 	oilfield exempt wastes will be acco	mpanied by a certification of v	vaste from the
B. All requests for approval to accept PROVE the material is not-hazardo listing or testing will be approved.	non-exempt wastes must be acco us and the Generator's certification	mpanied by necessary chemic of origin. No waste classified	cal analysis to hazardous by
All transporters must certify the wastes	delivered are only those consigned	for transport.	
BRIEF DESCRIPTION OF MATERIAL: Aube oil Contamina Estimated Volume	ted soil rear (oct 20 own Volume (to be entered by the opter Some TITLE administration of the opter Jackson TELL	OM PLEDDON. Partice at the end of the haul)	
(This space for State Use) APPROVED BY:	Eent TITLE: Enviro	/Engl DATE: 12) 18/02
APPROVED BY: Math 255	TITLE: <u>Snu , roum</u>	nh1 babys+ DATE: 10,	122/02

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):
21-1 #207 (UNIT 410108)	SECT 6 T.30-N-R-6-W NMPM
	ENL 1940
	,
Arean Het of originating sites as appropriate	
4. Source and Description of Waste	• •
SCREW COMPRESSOR BROKE DEC LZ	NE ORMENSO OZL ONTO GROUND.
CONTAMENATEN'S ABOUT 4 VARDS &	OF DERT.
	·
· · · · · · · · · · · · · · · · · · ·	'
4	
1. Pheuse Ray	representative for:
(Print Name)	
COMPRESSOR SYSTEMS EN	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 X NON-EXEM	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.
T NON EXCHANT	the lange and take all an end takes to an end the
For NUN-EXEMPT waste the following documenta	tion is attached (check appropriate items):
BCBA Hazardous Waste Analysis	Culer (Description):
Chain of Custody	
	والمستقين والمستعينة والترجيب أستعينية فالمترجين والمستنب فيتبع والمستنب فالمتعاد والمتعالم والمستعد والمترج والمستع
This waste is in compliance with Regulated Levels of N	Vaturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	.•
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Name (Odiated Standards)	
Name (Original Signature):	
Title I can scale they	
The here where I the My	
Date: 10/2/02	

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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 Sampl	ed:		N/A
Sample Matrix:		Soil		Date Receiv	ved:		N/A
Analysis Requested:		Total RCRA	Metals	Date Analyz	ed:		10-10-02
Condition:		N/A		Date Digest	ed:		10-09-02
Plank & Dunlicate	Instrument	Method	Detection	Sample	Duplicate	s	Accentance
Conc. (mg/Kg)	Blank (mg/L)	Blank	Limit	Compie		Diff.	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%
		A	O and a	C-II	Decodet	B.A	Acceptone
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

•	CHAIN	OF CUST	ODY RECORD	10323	NY
Client / Project Name CS子	Project Location	-L #207	ANALYSIS / PARA	AETERS	
Sampler:	Client No.		SI I	Remarks	
HARLAN W. Brown	000	58-00S	o. of lainei		
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix	7 , uocy N		
53, 31-6 Aron					
Grad 10.8. 2 14:45	- 23980	50%			
					-
Relinquished by: (Signature)		Date Time Rece	sived by: (Signature)	Date	Time
Hallow Bar		2.8.07 15 30	M. F. W	rasar -	5-20
Relinquished by: (Signature)	•	Rece	∮ved by: (Signature) (
Relinquished by: (Signature)		Hece	sived by: (Signature)		
	_ 8.4.		CHIDC	Sample Receipt	
				Y	N N/A
		5796 U.S. Hig Earminaton New N	jhway 64 Mexico 87401	Received Intact	
		(505) 632-	-0615	Cool - Ice/Blue Ice	

Land Mar All

1.4

istrict I - (505) 393-6161 O. Box 1980 obbs. NM 88241-1980 Istrict II - (505) 748-1283 I.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	Form C-138 Originated 8/8/95 On Submit Original Plus 1 Copy to appropriate District Office Env. JN: <u>18059-22</u>		
	4. Constator Mairosue Compensaria		
Verbal Approval Received: Yes No X Envirotech Soil Remedia	5. Originating Site Rattle SMAILE #101		
2. Management Facility Destination Facility Landfarm #2	6. Transporter Exviratech		
3. Address of Facility Operator Farmington, NM 87401	8. State New Mungico		
7. Location of Material (Street Address or ULSTR)	"F" Sec 32 T32N, R8W		
9. <u>Circle One</u> :	5 Aros Juan Como by DUL		
 A. All requests for approval to accept onnext 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. 			
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 FacilityAuthorized Agent TITLE: Landfarm M.	anager DATE: <u>8.23.0</u> 2		
Weste Management FacilityAuthorized Agent TYPE OR PRINT NAME:Harlan M. Brown TELEPHONE NO			
(This space for State Use)			
APPROVED BY: Deny teny TITLE: Environ	<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 3440 Morningstar Drive Farmington, New Mexico 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):
RATTLE SHAKE # 101	"F" Sec 32, T32N, R8W
Conyon	SAN Juan County NM.
Attach list of originating sites as appropriate	·
4. Source and Description of Waste	
Clean up of a usadail	chronic leak on a
Compressor Skid, Lu	be oil contaminated Soil.
I, Phil NAGEL (Print Name)	representative for:
UNiversal Compressi	on 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)
EXEMPT oilfield waste NON-EXEM	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 documentation MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	tion is attached (check appropriate items): <u>×</u> Other (description): Total Matals Awarsis

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

Sample ID: Laboratory Number: Sample Matrix: Analysis Requested:	03-19-TM 22285 Soil Total BCB	QA/QC	Date Repor Date Samp	ted: led:		03-19-02
Laboratory Number: Sample Matrix: Analysis Requested:	22285 Soil Total BCB		Date Samp	led:		
Sample Matrix: Analysis Requested:	Soil Total BCB					N/A
Analysis Requested:	Total RCR		Date Recei	ved:		N/A
• •		A Metals	Date Analyz	zed:		03-19-02
Condition:	N/A		Date Digested: 03-			03-19-02
Blank & Duplicate Instrum	ent Method	Detection	Sample	Sample Duplicate		Acceptance
Conc. (mg/Kg) Blank (n	ig/L) Blank	Limit			Diff.	Range
Arsenic ND	ND	0.001	0.077	0.076	1.3%	0% - 30%
Barium ND	. ND	0.001	5.68	5.62	1.1%	0% - 30%
Cadmium ND	ND	0.001	0.070	0.071	1.4%	0% - 30%
Chromium ND	ND	0.001	1.66	1.64	1.2%	0% - 30%
Lead ND	ND	0.001	3.88	3.89	0.3%	0% - 30%
Mercury ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Selenium ND	ND	0.001	0.041	0.041	0.0%	0% - 30%
Silver ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Spike	Spike	Sample	Spiked	Percent		Acceptance
Conc. (mg/Kg)	Added		Sample	Recovery		Range

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	ALYSIS / PARAMETERS	Remarks							Date Time	066600 3-13-04 10:40		Sample Receipt	Received Intact	Cool - Ice/Blue Ice
OF CUSTODY RECOF	WAIKE #- [D[AN	Sg- 022 of of of of of of of of of of	Sample Natrix	Sail 1 V					Date Time Received by: (Signature)	Briston 16:10 Received by: (Signature)	Received by: (Signature)	Enviroteching	5796 U.S. Highway 64 Earminaton New Mexico 87404	(505) 632-0615
CHAIN	e Project Location	K-C 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-RAS					Relinquished by: (Sig	Relinquished by: (Siç	Relinquished by: (Sig			

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 Dio Brazos Road c, NM 87410 istrict IY - (505) 827-7131	Form C-138 Originated 8/8/95 On Submit Original Plus 1 Copy to appropriate District Office Env. JN: <u>OZO99-002</u>
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" See (B, T30N, RIW
9. <u>Circle One</u> :	
Generator; one 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: Lube a; (content of the	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 Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL	anager DATE: 2.(6.02 EPHONE NO. 505-632-0615
(This space for State Use)	<
APPROVED BY: Dent Zent TITLE: Envir	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 Power 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, T30N, RIIW. Sard Juan County Duy
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)
EXEMPT oilfield waste NON-EXE analysis o	MPT oilfield waste which is non-hazardous by characteristic or by product identification
For NON-EXEMPT waste the following document	ation is attached (check appropriate items): 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): Mox R. Klohm
Title: Load Secharcan
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 Energy Minerals and Natural Resource obbs, NM 88241-1980 Energy Minerals and Natural Resource istrict II - (505) 748-1283 Oil Conservation Division 1 S. First 2040 South Pacheco Street tesia, NM 88210 2040 South Pacheco Street '-trict III - (505) 334-6178 Santa Fe, New Mexico 87505 Nio Brazos Road (505) 827-7131	Form C-138 Originated 8/8/95 Originated 8/8/95 Submit Original Plus 1 Copy 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	8. State Dens Munptero
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 acceded on the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be acceded on the Generator's certification of the Generator's certification listing or testing will be approved. 	ompanied by a certification of waste from the ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned	d for transport.
BRIEF DESCRIPTION OF MATERIAL: New Compression oil spilled an grou Filter o-ring. MSDS Attached	December 10 THE BOOM
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
SIGNATURE: Waste Management FacilityAuthorized Agent TITLE: Landfarm M	anager DATE: 04·11.02
TYPE OR PRINT NAME: Harlan M. Brown TELI	EPHONE NO
(This space for State Use) APPROVED BY: Deny Tent 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)3440170

GARY E. JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1 Consister Name and Address: 2 Demostion Name:	
COMPRESSOR SYSTEMS INC. ENVIROTECH INC	
RO. 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-T3IN-R7W	
Attach list of originating sites as appropriate	-
4. Source and Description of Waste	
NEW COMPRESSOR BEL VRALACE ON GREAT SET PERCE ORING	
FAELER	
· ·	
here Ray representative for:	
(Print Name)	
Complecised Systems INC. do hereby certify	that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's . 1988, regulatory determination, the above described waste is: (Check appropriate classification)	luly,
EXEMPT oilfield waste X NON-EXEMPT oilfield waste which is non-hazardous by characteris analysis or by product identification	nic
and that nathing has been added to the exempt or non-exempt non-hazardous waste defined above.	
or NUN-EXEMPT waste the following documentation is attached (check appropriate items):	
MSDS Information Other (description);	
RCRA Hazardous Waste Analysis	
Chain of Custody	
The weeks is to complignee with Deculated Levels of Networks Converted Defined to the ALOBAL	
in a wate is in compliance with negulated Levels of Naturally Occurring radioactive Material (NURIVI) purst to 20 NMAC 3.1 subpart 1403 C and D	ant
	•

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 t	he	de	sk	of.	
	Ph:	111	1p	Raj	7
Lead	86	erv	ice	Τe	ech
Compresso	r s	Sys	tem	s,1	пс
	P.().	Box	18	386
Bloomfi	eld	1,	NM	874	13
Office:	5()5-	632	-55	501
Fax:	50)5-	632	-89	85
Mobil:	50	75-	486	-28	312
phillip.ra	y@c	com	pre	ssc)r-
	<i>s</i> 3	rst	ems	. co	m

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

file:///Cl/My Documenta/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt (4 of 7) [8/1/2000 12:08:19 PM]

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 whown to cause skin cancer in mice following repeated application and antinuous 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 B(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=1ARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
	19=Chevron TWA	30=Chevron STEL
U=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

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file:///CI/My Documents/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt (7 of 7) [6/1/2000 12:06:19 PM]

InterferThew MexicoO. Box 1980Energy Minerals and Natural Resourceobbs. NM 88241-1980Energy Minerals and Natural Resourcelattict II - (505) 748-1283Oil Conservation Division1 S. First2040 South Pacheco Streettesia. NM 882102040 South Pacheco Street'trict III - (505) 334-6178Santa Fe, New Mexico 87505'Rio Brazos Road(505) 827-7131	Form C-13 Originated 8/8/9 On Submit Origin Plus 1 Cop to appropria District Office Env. JN: <u>O(039.004</u>
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", See 8, T30N, R9 4
9. <u>Circle One</u> :	
	nor nansport.
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contoninate	al soil.
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contominate Total Matal's Astached	ēl soil.
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contoninate Total Matal's Astached	el soil.
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contominate Total Matal's Attached	al Soil.
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BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contourinate Total Watal's physical Estimated Volume (to be entered by the ope	$al \leq ci \$
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contoninate Total Watal's Attached Estimated Volume <u>(0</u> cy Known Volume (to be entered by the ope SIGNATURE: <u>(</u> TITLE: Landfarm M Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TEL	anager = DATE: 9.24.02
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contourinote Total Watal's Attached Estimated Volume <u>(0</u> cy Known Volume (to be entered by the open SIGNATURE: <u>1</u> TITLE: Landfarm M Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: Harlan M. Brown TEL (This space for State Use)	an ager = DATE: 9.24.02
BRIEF DESCRIPTION OF MATERIAL: USED Jube oil contourinate Total Watal's Attached SIGNATURE:	$\frac{100 \text{ Harisport.}}{24 \text{ Soil.}}$

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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:	
1º ST	Envirotech	
5895 Cl. S. Hwy 64		
Farmington M.M.		
3. Originating Site (name):	Location of the Waste (St	rest address &/or ULSTR):
Devon: Nebul 438	Section 8 Rampe Zu	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 Geossen	1	representative for:
(Print Name)		
(Print Name)	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 and waste is: (Check appropriate of	do hereby certify that, mental Protection Agency's July, classification)
(Print Name) <u>CSI</u> according to the Resource Conservation and Rec 1988, regulatory determination, the above describ <u>EXEMPT olifield waste</u> <u>ANON-E</u> analysi	overy Act (RCRA) and Environ and waste is: (Check appropriate XEMPT oilfield waste which is a or by product identification	do hereby certify that, mental Protection Agency's July, classification) non-hazardous by characteristic
(Print Name) <u>CSI</u> according to the Resource Conservation and Rec 1988, regulatory determination, the above describ <u>EXEMPT olifield waste</u> analysi and that nothing has been added to the exempt of	avery Act (RCRA) and Environ and waste is: (Cheak appropriate XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w	do hereby certify that, mental Protection Agency's July, plausification) non-hazardous by characteristic aste defined above.
(Print Name) <u>CSI</u> according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ <u>EXEMPT olifield waste</u> <u>EXEMPT olifield waste</u> <u>A NON-E</u> <u>analysi</u> and that nothing has been added to the exempt of For NON-EXEMPT waste the following docume <u>X MSDS Information</u> <u>RCRA Hazardous Waste Analysis</u> Chain of Custody	avery Act (RCRA) and Environ bed waste is: (Check appropriate XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (desc	do hereby certify that, mental Protection Agency's July, classification) non-hazardous by characteristic aste defined above. propriate items): cription):
(Print Name) <u>CSI</u> according to the Resource Conservation and Rec. 1988, regulatory determination, the above describ <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>ANON-EXEMPT waste the following docume</u> <u>X MSDS Information</u> <u>RCRA Hazardous Waste Analysis</u> <u>Chain of Custody</u>	avery Act (RCRA) and Environ bed waste is: (Check appropriate XEMPT oilfield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (design	do hereby certify that, mental Protection Agency's July, plausification) non-hazardous by characteristic aste defined above. propriate itams): cription):
(Print Name) <u>CSI</u> according to the Resource Conservation and Rec. 1988, regulatory determination, the above describt <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>EXEMPT oilfield waste</u> <u>ANON-EXEMPT waste the following docume</u> <u>X MSDS Information</u> <u>RCRA Hazardous Waste Analysis</u> <u>Chain of Custody</u> This wasta is in compliance with Regulated Levels to 20 NMAC 3.1 subpart 1403.C and D.	avery Act (RCRA) and Environ and waste is: (Check appropriate XEMPT collifield waste which is is or by product identification r non-exempt non-hazardous w entation is attached (check app Other (desc s of Naturally Occurring Radioad	do hereby certify that, mental Protection Agency's July, plassification) 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

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
		Det.	Regulatory
Devemotor	Concentration	Limit	
Parameter	(iiig/Kg)	(mg/kg)	(mg/Kg)
Arsenic	0.004	0.001	5.0
Barium	1.26	0.001	100
Cadmium	0.002	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.003	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	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.

, .ý

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:		QA/QC		Project #:		N/	'A
Sample ID:		09-25-TM C	QA/QC	Date Reporte	ed:	09)-25-02
Laboratory Number:		23870		Date Sample	ed:	N/	A
Sample Matrix:		Soil		Date Receive	ed:	N/	'A
Analysis Requested:		Total RCRA	Metals	Date Analyze	ed:	09)-25-02
Condition:		N/A		Date Digeste	ed:	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	HAIN OF CUSIODY I	RECORD		-
Client / Project Name	roject Location Enver Energy NEBlanco 438	ANALYSIS / PARAME	ETERS	
Sampler:	lient No. 010381002 ainers	C1-701	Remarks	
Sample No./ Sample Sample Identification Date Time	Lab Number Sample Z T U Z	200		
Denver Energy 43 9/23/02 17:20 2	23870 50:1 1 1			
	~			_
data				
				_
				_
Relinquistred by: (Signature)	Date Time Received by: (Signated by: (Signated by: Signated by: Si	turel, Que	Date lime 9.23.02-1500	
zelinquished by: (Signature)	Received by: (Signat	ture) (
Relinquished by: (Signature)	Received by: (Signat	ture)		
		U	Sample Receipt	
			Y N N/A	
	5796 U.S. Highway 64		Received Intact	
	Farmington, New MEXICO 0740 (505) 632-0615	Ö	ool - 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 '	Form C-138 Originated 8/8/95 Originated 8/8/95 Submit Original Plus I Copy O1038 CSX to appropriate District Office Env. JN: <u>93212 Paul</u>			
	SOLID WASTE			
1. RCRA Exempt: Non-Exempt:	4. Generator CSL			
Verbal Approval Received: Yes No M	5. Originating Site EPFS ZC-15			
2. Management Facility Destination Facility Landfarm #2	6. Transporter Paul & Sons			
3. Address of Facility Operator Farmington, NM 87401	8. State News of whoir co			
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 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: Clean of neuro (whe oil worst) All sobs Attached 				
Estimated Volume 16 cy Known Volume (to be entered by the operation of the second signature of the second s	EPHONE NO. 505-632-0615			
(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:
(Ampresor Sustems Inc.	Salladots CH 2.NC
DO BUSCH TI All Mill	2NVILOILOIT IN
P.C. DOX 1880 Blocketica Prise	
8140	FARMSNETON PU.NI SI 701
3. Originating Site (name):	location of the Waste (Street address &/or ULSTR):
Elizoso compressor site 2C-15	N/W. 4 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
OLI ERLITER ORZALL ERELED DRA	PENENL OIL OUT OF SCREW COMP.
APROX 300 LALLOWS ON GROUND	12
	العين جار والإستانية المالية ال من المالية المال
$\Lambda\Lambda$	
1. Joff Grasson	representative for ;
Print Name	
1 9	
(Dun Dressor Sistems Inc.	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 X_NON-EXEM	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 way want to do fine of the sup
and that nothing has been added to the exempt of non-exempt non -ha	izardous waste dønned above.
	· · · · · · ·
For NON-EXEMPT waste the following documentation is attached (check appropriate items):
MSDS InformationO	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):	
The Man I Sand to the	
The NEW HONDENCE SUPERVITENCEM	
Data la la oz	
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 H Chemical Name: DISTILLATH CAS64742547	PARA ES, HYDROTREATED > 80.00%	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:			



PAGE 4

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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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MSDS Number: 006852

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PAGE

X-00\$021 (01-89)

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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FILE No.578 04/01 '02 AM 10:55 ID:COMPRESSOR SYSTEMS INC. FAX:15056328985

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Page 6 of 7 CHEVRON HDAX NG Screw Compressor Oil 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

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۰.	CHEVRON HDAX NG Scr. Compressor	011	()	Page	7 of 7	
	INPRESSION MILE MAN DAVE DEEN	NGED IN				
	TLV - Threshold Limit Value	TWA	- Time Weighted Aver	age		۰.
	STEL - Short-term Exposure Limit	TPQ	- Threshold Planning	Quanti	ty	
	RQ - Reportable Quantity	PEL	- Permissible Exposu	re Limi	t	
	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



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	Form C-138 Originated 8/8/9
Bit S. First Oil Conservation Divisio	on Sub-states
Artesia, NM 88210 2040 South Pacheco/Street	5007 no. Plus I Cop
Rio Brazos Road (505) 827-7131	to appropriat
مـــد, NM 87410 District IV - (505) 827-7131	Env. JN: 3 Bos9-026
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 Farmington, NM 87401	8. State Colorado > Wan charies
7. Location of Material (Street Address or ULSTR)	SW NW Sac 33 T 334, 28W Charles 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	ompanied by necessary chemical analysis to on of origin. No waste classified hazardous by
listing or testing will be approved.	
All transporters must certify the wastes delivered are only those consigned	d for transport.
BRIEF DESCRIPTION OF MATERIAL:	· · ·
labe oil contaminated Soil, leate	to sking and ground.
les kaswai Age	151575
ASDS shart Affalled.	3 14 13 10 // B
U.C. Lettar & Total Hatals of	Lasher 6 AUG 2002
•	COLCOMS.DN.
	ALE DE STRANG
Estimated Volume cy Known Volume (to be entered by the ope	erator at the end of the haul) cy
0 0 gue Rouse - Landfarm M	anagar f Sila
SIGNATURE: Waste Management FacilityAuthorized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TEL	EPHONE NO 632-0615
	5 0
' (This space for State Use)	
APPROVED BY: Denny Yand TITLE: Enviro,	<u> Engt</u> DATE: <u>10/10/02</u>
APPROVED BY: Matron MA . TITLE: Survivon men	4/ 600/0915+ DATE: 10/21/02
	· · · · · · · · · · · · · · · · · · ·

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NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ADAD AZTEC, NEW MEXICO 87410 (508) 334-6178 Fax (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) Attach list of anigheting sites as oppropriets	Location of the Waste (Street address &/or ULSTR): Section 33 Township 33 50 NW Sec 33 N. A - 8-W 1985 N 5156 T33N, RBW. La Plata, Co. Latitude W 37° 03.7 Longitude W 107° 43.8
4. Source and Description of Wasta Engine oil leak on to skid an Un Kucown Age.	nd over de containment lips onte ground
1,	representative for: <u>SSidn</u> do hereby certify that, very Act (RCRA) and Environmental Protection Agency's July, ad waste is: (Check enpropriate clearification)

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):
- **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: <u>Arra Supervisor</u> Date: <u>5/20/07</u>_____

DZ 11:07am From-UNIVERSAL COMPRESSION	5053255027 T-888 P.03
MAR-31-1999 10:04 COASTAL	Y SPEED
(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
PHONE NUMBERS Product Information 1-2 Transport Emergency CHE Medical Emergency 1-8	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

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MAR-31-1999 10:04

COASTAL CHEMICAL

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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

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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 Opén 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		•	1990) - 1 990 - 1 990		. ·
	Applicable Exposure Limits	AVADENTA	limite	annly		
	PEL (OSHA)	5 mg/m3,		TWA		
	TLV (ACGIĤ)	5 mg/m3	8 Hr.	TWA, STEL	10 mg/m3	

(Conserved)

AEL * (DuPont)

MAR-31-1999 10:06

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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.

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MAR-31-1999 10:06

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.

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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	-				
Health	0				
Reactivity	0				
NPCA-HMIS Rating					
Health	1				
Flammability	1				
Reactivity	0				
Personal Protection conditions.	rating to	be supplied	by user	depending o	n use .

(Continued)

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MAR-31-1999 10:07

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.

Responsibility for MSDS	: MSDS Coordinator
Address	: Conoco Inc.
>	: PO Box 2197
Tolephone	: Houston, TX 77252
Гетерионе	: 1-201-293-9990

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 Essimumtal Programs fax #: 978-563-0384 re: Spill close up - Soil Profile. date: 5.20.02 pages: _____(including cover page) project: Conoco 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

Total Pages Scanned : 10 Total Pages Confirmed : 10

NO.	Doc	Remote Station		Start Time	Duration	Pages	Mode	Comments	Results
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5-20-02; 3:07PM 5056321865 5053350246 ENVIROTECH



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)	
Arsonic	0 020	0 002	5.0	
Barium	12.1	0.002	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	Detection Limit	Sample	Duplicate	% 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

	· ·			
1.00	0.020	1.02	100.0%	80% - 120%
1.00	12.1	13.00	99.2%	80% - 120%
1.00	ND	0.996	99.6%	80% - 120%
1.00	1.94	2.92	99.3%	80% - 120%
1.00	5.26	6.22	99.4%	80% - 120%
0.100	0.004	0.102	98.1%	80% - 120%
1.00	0.012	1.01	99.8%	80% - 120%
1.00	ND	0.998	99.8%	80% - 120%
	1.00 1.00 1.00 1.00 1.00 0.100 1.00 1.0	1.000.0201.0012.11.00ND1.001.941.005.260.1000.0041.000.0121.00ND	1.000.0201.021.0012.113.001.00ND0.9961.001.942.921.005.266.220.1000.0040.1021.000.0121.011.00ND0.998	1.000.0201.02100.0%1.0012.113.0099.2%1.00ND0.99699.6%1.001.942.9299.3%1.005.266.2299.4%0.1000.0040.10298.1%1.000.0121.0199.8%1.00ND0.99899.8%

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			Sample Receipt	Y N N/A	Received Intact	Cool - Ice/Blue Ice
OF CUSIOUT RECORD	#63A ANALYSIS/PARAI	- 0 (B	Sample No Contra K	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 2805°	Sample No./ Sample Sample Lab Number Identification Date Time	Engineril 12.(3.01 15:00 21687					· ·	Relinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)				

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strict	<u>IY</u> - (505) 827-7131	a an a tha tha tha tha tha tha tha tha tha t			Lnv.	JN: -1380	<u> </u>
		REQUEST	FOR APPF	OVAL TO ACC	EPT SOLID	WASTE	
1.	RCRA Exempt:	Non-Exempt		2. 11-02 8:30	4. 0	ienerator	istal Chang
·	Verbal Approval Recei	ived: Ye	s 🔀	No 🛄	5. (Driginating Site	Tiffame Ales
2. 1	Management Facility	Destination En	virotech Facility	Soil Remed Landfarm #	ia. 2 6. 1	Transporter Ce	astal
3. /	Address of Facility Op	erator 579 Far	06 US Hig mington,	hway 64 NM 87401	8. 5	State Colo	· > Nol.
7. 1	Location of Material (S	Street Address	or ULSTR)	what Grae	3021	CR32B	Janacio (
9. 9	Circle One:			486-1138			8
A	Il transporters must co	ertifv th e w aste	a dalamarad a				
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BRIE	ÈF DESCRIPTION OF Fire tube q removed b	MATERIAL: Scrapiu	J at econd	e only those cons	lycal.	sport.	Solids
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P.01

GARY E, JOHNSON GOVERNOR

JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Constal Chemical Co UC.	Envirotech Soll Remediation Facility
3021 (R 328	LandFarm #2
Ignature to Ell'SI	Hilltop, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
T. Hany Plant.	3621 CR 328
3	Ignation (3 81137)
Attach list of originating sites as appropriate	
4. Source and Description of Waste Fize Tube Scrapine, and Schids	Remaining from 614col in the
RecLARMING PROCESSES,	
1. REA GAGE (Print Name)	representative for: do hereby certify that,
according to the Resource Conservation and Recove 1988, regulatory determination, the above described	ery Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
EXEMPT ollfield waste NON-EXEM	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 documenta 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): A Joce
Title: Manit Withmage
Date: <u>G/11/0⁻</u> Z

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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
0701258-01	GLYCÓI.	GLYCOL PLANT	1/9/02	Arsenic, TCLP Leas	chate	ND	0.40mg/1.	Method 6010B ***
				Barium, TCLP Leas	chate	ND	5.0mg/L	Method 6010B ***
				(Cadmium, TCLP L	cachaic	ND	0.20mg/L	Method 6010B ***
				Chromium, TCLP I	cachate	ND	0.20mg/L	Method 6010B ***
				Lead, TCI P Leacha	1c	ND	0.40ing/I.	Method 6010B ***
				Selenium, TCLP 14	mohate	ND	10.40mg/L	Method 6010B ***
				Silver, TCLP Leach	vate	ND	10 20mg/1.	Method 6010B ***
				Mercury, TCLP Lea	achaic	ND	0.0010mg/I.	Method 7470 A***
				Endrin		ND	1 Oug/L	Method 8080 ***
	~			Heptachlor		ND	1.0.18/1.	Method 8080 ***
				Heptachlor Epoxid	Ľ	IND	1.0ug/1.	Method 8080 ***
				Methoxychlar		ND	1.0og/t.	Method 8080 ***
				(I-BHC(Lindane)		ND	1.0ug/L	Method 8080 ***
				Technical Chlordar	ι¢	ND	1.0ug/L	Method 8080 ***
				Toxuphene		ND	1.0ug/1.	Method 8080 ***
				2,4 - D		IND	20 Oug/L	Method 8151
				[2,4,5 - TP		ND.	2.0ug/L	Method 8151 ***
				1,1 Dichloroethene		ND	50ug/l.	Method 8260B(TCLP) ***
				1.2-Dichloroethane	:	ND	:50ug/I	Method 8260B(TCLP) ***
				2-Butanone		ND	100ug/l.	Method 8260B(TCLP) ***
				Benzene		ND	150ug/L	Method 8260B(TCLP) ***
				Carbon Tetrachlori	de	ND	50טע/ן.	Method 8260B(TCLP) ***
				Chlorobenzene		ND	:50ug/L	Method 8260B(TCLP) ***
				Chloroform		ND	50ug/1.	Method 8260B(TCLP) ***
				Tetrachloroethene		ND	(SÓu <u>e</u> /L	Method 8260B(TCLP) ***
				Trichloroethene		ND	.50ug/L	Method 8260B(TCLP) ***
				Vinyl Chloride		ND	100u <u>g</u> /1.	Method 8260B(TCLP) ***
				1.4 Dichlorobenze	ne	ND	2500ug/L	Method 8270C ***
				2,4,5-Trichlorophe	nol	ND (5000µg/l. N	Method 8270C ***	
				2,4,6-Trichlorophe	nol	ND	2500ug/L	Method 8270C ***
				2,4 Dinurotaluene		IND	2500ug/L	Method 8270C' ***
				Hexachlorobenzen	c	IND	2500ug/L	Method 8270C ***
				Hexachlorobutadu	me	ND	.2500ng/L	Method 8270C ***
				Hexachloroethane		ND	:2500ug/L	Method 8270(***
				meta, para Cresols	i	IND	2500ug/L	Method 8270C ***
				Niuobenzene		ND	;2500ug/1.	Method 8270C ***
				ortho-Cresol		ND	2500ug/L	Method 8270C ***
				Pentachlorophenol	1	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	Form C-138 Originated 8/8/95 On Submit Original Plus 1 Copy to appropriate District Office
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
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State NM
7. Location of Material (Street Address or ULSTR)	1280 TROY King Rid.
 A. All requests for approval to accept olifield exempt wastes will be accordenerator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accordenerator. B. All requests for approval to accept non-exempt wastes must be accordenerator. COULE 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: Washbay sludge from Alow gradeneration of the second standard standard. 	companied by a certification of waste from the ompanied by necessary chemical analysis to n of origin. No waste classified hazardous by a 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
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.
Attach list of originating sites as appropriate	81401
4. Source and Description of Waste	· · · · · · · · · · · · · · · · · · ·
ENGINE DIL ANTIFREEZE - NO S	SOLVENTS; Contominated Soil
I,	representative for: <u>ompany</u> do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification) IPT oilfield waste which is non-hazardous by characteristic by product identification
For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	tion is attached (check appropriate items): Other (description):
This waste is in compliance with Regulated Levels of I to 20 NMAC 3.1 subpart 1403.C and D.	Naturally Occurring Radioactive Material (NORM) pursuant
Name (Original Signature):	
Title: SAFETY & ENVIRONMENTAL	COORDINATOR

Date: _

8-26-02

P. 003/004

CLIENT:	Envirotech			Cli	ent Sample ID:	: 23644	
Lab Order:	0208155				Collection Dat	te: 8/26/0	2 10:15:00 AM
Project:	Hanover Compression						
Lab ID:	0208155-01				Matri	x: SOIL	
Analyses		Result	Limit	Qual	Units	DF	Date Analyzed
							Analyst: JDC
VOLATILES, TO	LP LEACHED	ND	0.50		mg/L	1	8/29/02
Benzene		ND	200		ma/L	1	8/29/02
2-Butanone	ماليات	ND	0.50		ma/L	1	8/29/02
Carbon Latrachic	phde	ND	100		ma/L	1	8/29/02
Chlorobenzene		ND	60		ma/L	1	8/29/02
Chlorolom		ND	75		mg/l	1	8/29/02
1,4-Dichlorobenz	tene	ND	0.50		ma/l	1	8/28/02
1,2-Dichloroelha	ne (EDC)		0,50		mg/L	1	8/29/02
1,1-Dichloroethe	ne		0.70		mg/L	1	8/29/02
Hexachlorobutad	llene		0,50		mg/2	1	8/29/02
Tetrachloroethen		ND	0.10		mg/i	1	8/29/02
Trichloroethene	(TCE)	NU	0.00		mg/L	1	8/29/02
Vinyi chloride			70 120		MBEC	1	8/29/02
Surf: 1,2-Dich	loroethane-d4	97.0	70-130		N DEC	1	A/29/02
Sur: 4-Broma	fluorobenzene	97.6	70-130			4	8/29/02
Surr: Dibroma	fluoromethane	101	70-130		MAGC	1	8/20/02
Sunt Toluene	-08	98.1	/0-130		%REV	I	0123102
SEMIVOLATILE	S, TCLP LEACHED						Analyst: CS
2,4,5-Trichloroph	henol	ND	400		mg/L	1	8/30/02
2,4,8-Trichloroph	ienal	ND	2.00		mg/L	1	8/30/02
2,4-Dinitrotoluen	e	ND	0.130		mg/L	1	8/30/02
Cresols, Total		ND	200		mg/L	1	8/30/02
Hexachlorobenz	ene	ND	0,130		mg/L	1	8/30/02
Hexachiorobutad	liene	ND	0,500		mg/L ·	1	B/30/02
Hexachloroethar	1e	ND	3.00		mg/L	1	8/30/02
Nitrobenzene		ND	2.00		mg/L	1	8/30/02
Pentachioropher	lor	ND	100	÷	mg/L	1	B/30/02
Pyridine		ND	5.00		mg/L	1	8/30/02
Sur: 2.4.6-Tr	bromophenol	85.9	0-169		%REC	1	8/30/02
Surr: 2-Fluoro	biphenyl	57.3	6-118		%REC	1	8/30/02
Surr: 2-Fluoro	phenol	43.0	0-103		%REC	1	8/30/02
Sur: 4-Terph	envl-d14	40.8	3-135		%REC	1	8/30/02
Sur: Nitrober	zene-d5	59.1	8-115		%REC	1	8/30/02
Surr: Phenol-	d6	33.5	0-127		%REC	1	8/30/02
MEDOLIDY 70							Analyst: MAP
MERCURY, ICI Mercury		ND	0.020		mg/L	1	8/28/02
	6010C: TCLP METALS						Analyst NMO
Arsenic		ND	5.0		mg/L	1	8/29/02 10:06:08 AM
Barlum		ND	100		mg/L	1	8/29/02 9:10:34 AM
Cadmlum		ND	1.0		mg/L	1	8/29/02 9:10:34 AM

Qualificre:

ND - Not Detected at the Reporting Limit

5 - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitution limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

R - RPD outside accepted recovery limits

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 Denover Conpusation	Project Location	T Jacky	ANALYSIS	PARAMETERS			
Sampler: JX S	Client No. <i>ŶŔがく</i> 3 - Oc	>	c of kainers ر م ط ۶ ه		Remar	ks.	
Sample No./ Sample Sample Identification Date Time	e Lab Number	Sample Matrix	9/m 702 NN				
Lample 1 8-26-02 1015	23644	. di	×	C	Juni		
					,		
					_	-	
						-	
Relinquished by: (Signature)		Date Time Rec デー2と・C2 //00	eijed by: (Signature)		$\mathbb{S}_{2i_0/c}^{\text{Date}}$	<u></u>	ine S
Relinquished by: (Signature)		Hec	elved by: (Signature)				
Relinquished by: (Signature)			eived by: (Signature)				
		FOUROTF	CHINC	Sampl	le Recei	- t	
					~	z	N/A
		5796 U.S. Hi Earminaton New	ghway 64 Mevico 87401	Received Intac	د ب		
		(505) 632	-0615	Cool - Ice/Blue I	99 7	<u> </u>	

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 ¹¹ trict III - (505) 334-6178 Tri trict III - (505) 827-7131 District IV	Es Department Form C-138 Originated 8/8/99 n Submit Origina Plus 1 Copy to appropriate District Office
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: 🔲 Non-Exempt: 🔀	4. Generator Maralex
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Scott #1
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter TBA
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mapico
7. Location of Material (Street Address or ULSTR)	"K" See. 18, T30N, RIIW
9. <u>Circle One</u> :	SAN Juan County, NW.
 Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be according proved by 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: Mixed Load of Exampt (rustysc Klow exampt waste – hube oil earth 	rator at the end of the haul)
SIGNATURE: Harlan M. Brown TITLE: Landfarm M. Brown TELI	Anager DATE: 8.28.02 EPHONE NO. 505-632-0615 000000000000000000000000000000000000
(This space for State Use) APPROVED BY: Demy Rout TITLE: Environment APPROVED BY: Multing 246 TITLE: Environment	/ Engr DATE: 8/29/02 b/ Gadonia 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	nterior of produced water tank.
2) Refined oil contaminated soil f	rom leak in polish rod lubricator.
I lim Graves	concorptative for
(Print Name)	representative for:
Maralex Resources, Inc.	do hereby certify that
according to the Resource Conservation and Recover	y Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described v	Naste is: (Check appropriate classification)
X EXEMPT oilfield waste X NON-EXEM analysis or	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	
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:

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August 20, 2002 Date:

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970-563-4116

ialerial Sately Data	Sheet	
DNOCO HD FLEET ENGINE	OIL / CONOCO HD FLEET SUPR	REME ENGINE OIL
CHEMICAL PRODUCT/COMP	ANY IDENTIFICATION	
CONOCO HD FLEET ENGI	NE OIL / CONOCO HD FLEET SUPREME	ENGINE OIL
MSDS Code: MOTC0090	Revised:	19 July 2002
"Conoco HD Fleet", "Con of Conoco Inc.	oco HD Fleet Supreme" are registe	ered trademarks
Tradenames: Conoco HD Fleet Engin Conoco HD Fleet Supr	ne Oil, SAE 10W, 20W-20, 30 40. eme Engine Oil, SAE 10W-30, 15W-4	5 <i>0</i> 0
MANUFACTURER/DISTRIBUTOR Conoco Inc. P.O. Box 2197 Houston, TX 77252	R	
PHONE NUMBERS Product Information: Transport Emergency: Medical Emergency: WEB SITE:	1-281-293-5550 CHEMTREC 1-800-424-9300 (U.S. & 1-703-527-3687 (international; 1-800-342-5119 or 281-293-5119 www.conoco.com	Canada) call collect)
2 COMPOSITION/INFORMA	TION ON INGREDIENTS	• • • • • • • • • • • • • • • • • • •
	CAS Number Dils 64742-54-7	% 60-95
Highly Refined Base (4 - 4
Highly Refined Base (Zinc Compounds	64742-01-4 Mixture	0-30 <=1.5
Linghly Refined Base (Zinc Compounds Other	64742-01-4 Mixture Mixture	0-30 <=1.5 5-35
Limponents Highly Refined Base (Zinc Compounds Other If oil mist is generated	64742-01-4 Mixture Mixture 3, exposure limits apply. (See S	0-30 <=1.5 5-35
Jinc Compounds Jinc Compounds Other If oil mist is generated J. HAZARDS IDENTIFICAT	64742-01-4 Mixture Mixture 3, exposure limits apply. (See S	0-30 <=1.5 5-35
<pre>Highly Refined Base (Zinc Compounds Other If oil mist is generated . HAZARDS IDENTIFICAT) APPEARANCE / ODOR Clear and bright liqu</pre>	64742-01-4 Mixture Mixture d, exposure limits apply. (See S ION EMERGENCY OVERVIEW Hid / mild petroleum hydrocarbon	0-30 <=1.5 5-35
 Highly Refined Base (Zinc Compounds Other If oil mist is generated HAZARDS IDENTIFICATI HAZARDS / ODOR Clear and bright liqu OSHA REGULATORY STATUS This material is not 	64742-01-4 Mixture Mixture d, exposure limits apply. (See S ION EMERGENCY OVERVIEW Hid / mild petroleum hydrocarbon hazardous as classified under OS	0-30 <=1.5 5-35 Section 8.) odor. HA regulations

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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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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7. * d

9114-899-076

WUBBLEX RESONACES INC

921:20 20 12 guf

PENNSY Thi: the	LVANIA WORKER & s material may Pennevlyania W	COMMUNITY RIGHT TO KNOW ACT contain the following ingredient(s) subject to orker and Community Right to Know Hazardous
Sub	etances List.	
Ing	redient	: Zinc Compound.
Cat	egory	: Environmental Hazardous Substance.
Canadi	an Regulations	
Thi	s is not a WHMI	S Controlled Product.
16. OTH	ER INFORMATION	•••••••••••••••••••••••••••••••••••••••
NOTE :	This product o be used in non unless the out These lubrican high temperatu	r any other hydrocarbon-based lubricant should not -diaphragm compressors that produce 'breathing air' let is monitored continuously for carbon monoxide. ts can produce carbon monoxide when subjected to res.
The spec com	data in this M cific material bination with a	aterial Safety Data Sheet relates only to the designated herein and does not relate to use in ny other material or in any process.
Pre	pared By	: DNA - SHE
Add	ress	: Conoco Inc.
>		: PO Box 2197
>		: Houston, TX 77252
Tele	ephone	: 1-281-293-5550

Indicates updated section.

End of MSDS

Page 7 of 7

8 · d

мөвөгех RESOURCES INC

921:SO SO 15 3uA

Autice I - (505) 393-6161 D. Box 1980 bbs, NM 88241-1980 Energy Minerals and Natural Resources	ces Department Originated
S. First Oil Conservation Division	on
esia, NM 88210 2040 South Pacheco Street	5 Submit C
Rio Brazos Road (505) 827-7131	to appr District
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 :
3. Address of Facility Operator 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:	a tor transport.
Classing of And Conoco HD Fleet Eaglie	oil (SAE 20)@ a line free
at a compressor to tion	61891077
at a compressor toution	AUC 2000
at a compressor toution	AUG 2002
at a compressor location	AUG 2002 RECEIVED OIL COME DIV.
at a compressor toution	AUG 2002 RECEIVED OIL COME DIV. DIST. 8
at a compressor toution	AUG 2002 RECEIVED OIL COMS. DIV. DIST. 8 CR202421
at a compressor location Estimated Volume - 5 cy Known Volume (to be entered by the ope	AUG 2002 RECEIVED OIL COME DAY. DIST. 8 erator at the end of the haul) cy
Estimated Volume cy Known Volume (to be entered by the ope SIGNATURE: Cy Known Volume (to be entered by the open Waste Management Eacility Authorized Agent	AUG 2002 RECEIVED OIL COME DAV. DIST. 8 erator at the end of the haul) cy Manager DATE: <u>\$.6.02</u>
Estimated Volume	erator at the end of the haul) Cy Manager DATE: S. 6.02 EPHONE NO
Estimated Volume	erator at the end of the haul) OATE: S. 6.02 Manager DATE: S. 6.02 EPHONE NO 505-632-0615
Estimated Volume	erator at the end of the haul) OATE: \$. 6.02 Manager DATE: \$. 6.02 EPHONE NO. 505-632-0615
Estimated Volume	erator at the end of the haul) Cy AUG 2002 RECEIVED OIL COME, DAV. DIST. 8 PLSTVELUUUU PLSTVELUUUU PLSTVELUUUU PLSTVELUUUUU PLSTVELUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU

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 1St Street	Landfarm #2 Hillton New Mexico
BLOOMFIELD NM 87413	LIIILDP, New Mokico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
Willams Production Co	r
ROSAUNII = 410, = 110, = 110	BIO ADDIBA COUNTY NM
SEC 6, T-31-N, RSW, NMPMI	KIU AKKIUN COUNT MAT
Attech list of originating sites as appropriate	
NEW (UNSED)	
CONDOC HT FIFFT FNGIN	FOIL SAF 70
	· · ·
T Unlaw	
L TOM MUGSOM	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)
	APT oilfield waste which is non-hazardous by characteristic
analysis or	by product identification
-	
and that nothing has been added to the exempt or ho	n-exempt holfhezaldous waste belined above.
For NON-EXEMPT waste the following documenta	tion is attached (check appropriate items):
X MSDS Information	Other (description):
RCRA Hezardous Waste Analysis	
This waste is in compliance with Regulated Levels of I	Vaturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	
- 11 A	
Name (Original Signature): Tom Andre	
5-1+	
Title: Jarony	

Date: 08-06-02

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

FAX NO. 505+634+4792

P. 02

Material Safety Data S	heet Conoc	9
CONOCO HD FLEET ENGINE	OIL / CONOCO HD FLEET SUPREME ENGINE OIL	I
1. CHEMICAL PRODUCT/COMPAN	IDENTIFICATION	
CONOCO HD FLEET ENGINE	OIL / CONOCO HD FLEET SUPREME ENGINE OIL	
MSDS Code: MOTC0090	Revised: 20 March 2002	
"Conoco HD Fleet", "Conoco of Conoco Inc.	HD Fleet Supreme" are registered trademarks	
Tradenames: Conoco HD Fleet Engine Conoco HD Fleet Supreme Conoco HD Fleet Supreme	Oil, SAE 10W, 20W-20, 30, 40, 50 Engine Oil, SAE 10W-30, 15W-40 HI TBN Engine Oil, SAE 40, 15W-40	
MANUFACTURER/DISTRIBUTOR Conoco Inc. P.O. Box 2197 Houston, TX 77252		
PHONE NUMBERS Product Information: Transport Emergency: Medical Emergency:	-281-293-5550 HEMTREC 1-800-424-9300 (U.S. & Canada) -703-527-3887 (international; call collect) -800-342-5119 or 281-293-5119	
WEB SITE:	ww.conoco.com	
# 2. COMPOSITION/INFORMATIC	N ON INGREDIENTS	
Components Highly Refined Base Oil	CAS Number % s 64742-54-7 60-95 64742-01-4 0-30	
Zinc Compounds Other	Mixture <=1 Mixture 5-35	
If oil mist is generated,	exposure limits apply. (See Section 8.)	
3. HAZARDS IDENTIFICATION		
APPEARANCE / ODOR Clear and bright liquid	EMERGENCY OVERVIEW	
OSHA REGULATORY STATUS This material is not ha	zardous as classified under OSHA regulations.	
HMIS RATING Health: 2 NFPA RATING Health: (; Flammability: 1; Physical Hazard: 0. ; Flammability: 1; Instability: 0.	

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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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	Hi Hi TBN	10W-30 TBN 40 14W-40	75 cSt 141 cSt 113 cSt	11.5 cSt 15.2 cSt 15.3 cSt
10.	STABIL:	ITY AND REACTIVITY		
Che	emical Stable	Stability at normal temperati	ires and storage condit	ions.
Coi	ndition: Heat, s	s to Avoid sparks, and flames.		
Ind	compatil Incompa	oility with Other Ma atible or can react	terials with strong oxidizers.	
De	composit Combust oxides	tion tion forms oxides of of nitrogen, sulfur	carbon and may product, and zinc.	e small quantities of
Po	lymeriza Polymen	ation rization will not oc	cur.	
11,	TOXICO	LOGICAL INFORMATION		
An	imal Dat Mouse s petrole not cau	ta skin painting studie eum distillates simi used skin tumors.	es have shown that high lar to ingredients in t	ly solvent-refined this product have
	Animal organic appears irritat in lub	skin exposure studi phosphates cause t related to stress tion. Low concentra ricant products, wou	es show high concentrates testicular atrophy, but from the chemical cause ations of the zinc compo- ald be unlikely to cause	tions of zinc this effect ing severe skin onent, as occurs e testicular damage.
	"USED" Laborat applied the "Us	Motor Oil - tory studies with mi i repeatedly to the sed" motor oil was n	ce have shown that "Use skin caused skin cance of removed between app	ed" motor oil r. In these studies, lications.
12.	ECOLOGI	ICAL INFORMATION	1	
Eco	no spec	logical Information cific aquatic data a	vailable for this produ	act.
13.	DISPOSA	AL CONSIDERATIONS		
Was	ste Disr Treatme accorda regulat	posal ent, storage, transp ance with applicable tions. Do not flush	portation, and disposal Federal, State/Province to surface water or sa	must be in cial, and Local anitary sewer system.
Cor	ntainer Empty d prompt] contair	Disposal drums should be comp ly shipped to the su hers should be dispo	pletely drained, proper applier or a drum recond used of in an environmen	ly bunged, and litioner. All other htally safe manner.
14.	TRANSPO	DRTATION INFORMATION	·	

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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

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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 O. Box 1980 Tobbs, NM 88241-1980 Energy Minerals and Natural Resource	Farm C.
District II - (505) 748-1283 Oil Conservation Division 11 S. First 2040 South Pacheco Street artesia, NM 88210 2040 South Pacheco Street ``trict III - (505) 334-6178 Santa Fe, New Mexico 87505 ``Trict III - (505) 827-7131 (505) 827-7131	Ces Department Originated & On Submit Ori Plus I to approp District O
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
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Den Mexico
7. Location of Material (Street Address or ULSTR)	1390 E. Murray Drive, Formington Nov. 87401
 B. All requests for approval to accept non-exempt wastes must be accept proved. 	n of origin. No waste classified hazardous by
All transporters must certify the wastes delivered are only those consigned	i for transport.
Sludge generatel & cleanout of Chlor. D. Tect Kit used to determin	a warle bay samp.
Estimated Volume Known Volume (to be entered by the ope SIGNATURE: Harlow M Show TITLE: Landfarm Ma	Prator at the end of the haul) cy

(This space for State Use)	1	
APPROVED BY: Deny femt	TITLE: Enviro/Enst	DATE: 7/31/02
APPROVED BY: Things Pray.	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,
according to	the Resource Conse	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)
EXEMP	T oilfield waste	NON-EXEMI analysis or b	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.

		and the state of t
Name	Original Signature):	*. *
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

Review Dulters

EM

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	ived:		N/A	
Analysis Requested:		Total RCR	A Metals	Date Analy	/zed:		07-03-02	
Condition:		N/A		Date Dige	sted:		07-03-02	
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	% Diff	Acceptance	
Arsenic			0.001	0.063	0.062	1.6%	0% - 30%	23
Barium			0.001	8 21	8 18	0.4%	0% - 30%	
Cadmium			0.001	0.084	0.10	1.2%	0% - 30%	
Chromium			0.001	0.624	0.000	0.6%	0% - 30%	
Lood			0.001	0.024	0.020	0.0%	0% - 30%	
Moroury			0.001	0.400 ND	0.402	0.0%	0// 30//	
Selenium			0.001	0.042	0.042	0.0%	0% - 30%	
Selemum			0.001	0.042	0.042	0.0%	0% - 30%	
Silver	ND	ND	0.001	NU	ND	0.0%	0% - 30%	
Spike		Spike	Sample	Spiked	Percent		Accentance	
Conc. (ma/Ka)		Added	Gallipio	Sample	Recovery		Range	
Cono. (mgnig)				Pro-			(. 	53
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 ^r	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

		CLAIN				UHU UHU		1004	50	
Client / Project Name ごん みひとの		Project Location $\mathcal{O}_{\mathcal{U}\mathcal{P}\mathcal{O}\mathcal{C}\mathcal{O}}$	ý ED			ANALYSIS / PAF	AMETERS			
Sampler: HMH		Client No. じょくしょ	/ २०	ainers ainers	5 7 L 76			Неп	larks	
Sample No./ Samp Identification Date	ole Sample e Time	Lab Number	Sample Matrix	N Cont	HEL					
Q-1	62 0855	23209	Sludge	1	7					
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		B	OVIROTE	U U U	DC		Ň	ample Rec	ceipt	
									<u>ک</u> ۲	¶/N T
			5796 U.S. Hig Farmington. New N	Ihway 6 Mexico	4 87401		Received	Intact		
			(505) 632-	0615			Cool - Ice/B	lue Ice	-	,

Ĭ

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	Env. JN: <u>92132</u> Form C-13 Originated 8/8/ Submit Origin Plus 1 Co to appropria District Offi
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
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Daw Mexico
7. Location of Material (Street Address or ULSTR)	4109 E. Main Fameraton
 S. <u>Circle One</u>. A. All requests for approval to accept oilfield exempt wastes will be according Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Conditionation of washbury solids diagram. TCLP Attraction 	mpanied by a certification of waste from the mpanied by necessary chemical analysis to of origin. No waste classified hazardous by for transport.
Estimated Volume cy Known Volume (to be entered by the opera	ator at the end of the haul) cy
SIGNATURE: Nor Wild for TITLE: Landrarm Mai Waste Management FacilityAuthonized Agent TYPE OR PRINT NAME: Harlan M. Brown TELE	PHONE NO DATE: / · 25.62 / ·
(This space for State Use) APPROVED BY: Denny Joun 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 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): Mule Dan Ho
Title: Materials Control Supervisor
Date: 7/23/02

PRACTICAL SOLUTIONS FOR A BEITER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132-001
Sample ID:	Wash Bay Sludge	Date Reported:	06-06-02
Lab 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	· · · · · · · · · · · · · · · · · · ·	
			•
IGNITABILITY:	Negative		
	· ·		
CORROSIVITY:	Negative	pH = 7.72	
REACTIVITY:	Negative		
RCRA Hazardous Waste Criteria			
Parameter	Hazardous Waste Criterion		
IGNITABILITY:	Characteristic of Ignitability as de (i.e. Sample ignition upon direct of	fined by 40 CFR, Subpart C, Sec. 261.21. ontact with flame or flash point < 60º C.)	
CORROSIVITY:	Characteristic of Corrosivity as de (i.e. pH less than or equal to 2.0 c	afined by 40 CFR, Subpart C, Sec. 261.22. For pH greater than or equal to 12.5)	· .
REACTIVITY:	Characteristic of Reactivity as del (i.e. Violent reaction with water, su of Sulfide or Cyanide gases	ined by 40 CFR, Subpart C, Sec. 261.23. trong base, strong acid, or the generation at STP with pH between 2.0 and 12.5)	
Reference:	40 CFR part 261 Subpart C section	ons 261.21 - 261.23, July 1, 1992.	
Comments:	4109 E. Main.		

)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

		Detection	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinvl 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:

4109 E. Main St.

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:

4109 E. Main St.

Analyst

Walter nistin Review
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:

4109 E. Main St.

Analyst

mist Lolto Review

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

	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	101%
References:	Method 1311, Toxicity (Method 3510, Separato Method 8090, Nitroaror	Characteristic Leaching Procedure, S ry Funnel Liquid-Liquid Extraction, S natics and Cyclic Ketones, SW-846,	SW-846, USEPA, July 1992. SW-846, USEPA, July 1992. USEPA, Sept. 1986.
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	ction 261.24, July 1, 1992.

Comments: 4

4109 E. Main St.

Analyst

<u>Phistere</u> Malters Review

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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

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		
	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	946, 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.	
ı	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:

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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
	· -	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	NÐ	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.
н. 1	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:

Analyst

Jalters Misti Review

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:

Analyst

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PRACTICAL SOLUTIONS FOR A BETTERTOMORROW

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

Client:	QA/QC			Project #:		N/A
Sample ID:	Matrix Spike			Date Reporte	ed:	06-07-02
Laboratory Number:	22848			Date Sample	ed:	N/A
Sample Matrix:	TCLP Extract			Date Receive	ed:	N/A
Analysis Requested:	TCLP			Date Analyze	ed:	06-07-02
Condition:	N/A			Date Extracte	ed:	06-04-02
			Spiked			SW-846
	Sample	Spike	Sample	Det.		% Rec.
	Result	Added	Result	Limit	Percent	Accept.
Parameter	(mg/L)	(mg/L)	(mg/L)	(mg/L)	Recovery	Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0490	0.0001	98%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	ND	0.050	0.0495	0.0001	99%	39-15 0
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-1 46
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References:

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

Comments:

Analyst

Review

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	0 0 0 0	400
UN .	0.020	400
-	QA/QC Laboratory Blank 06-07-TCA 2-Propanol N/A N/A N/A Concentration (mg/L) ND ND	QA/QCProject #:Laboratory BlankDate Reported:06-07-TCADate Sampled:2-PropanolDate Received:N/ADate Analyzed:N/AAnalysis Requested:V/ADetectionLimit(mg/L)ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020ND0.020

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.

Analyst

m Walter pristu Review

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)
	ND	0.020	200
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	NÐ	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recov	veries: Parameter	Percent Recovery
	2-Fluorophenol 2,4,6-Tribromophenol	99% 99%
References:	Method 1311, Toxicity Characteristic Leaching Proc Waste, SW-846, USEPA, July 1992.	edure Test Methods for Evaluating Solid
	Method 3510, Separatory Funnel Liquid-Liquid Extr Waste, SW-846, USEPA, July 1992.	action, Test Methods for Evaluating Solid
	Method 8040, Phenols, Test Methods for Evaluating	Solid Waste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory Limits based on 40 CFR part 261 subpa	rt C section 261.24, July 1, 1992.
Comments:	QA/QC for sample 22848.	
Analyst	l.aprille	Mistin Maeters eview

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

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

	<i>,</i>		
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

Paramotor	Sample Result	Duplicate Result	Detection Limit	Percent
Falametei	(ing/L)	(1119/12)	(iiig/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 Acceptance Criteria:		Parameter	Maximum Difference
		8040 Compounds	30.0%
References:	Method 1311, Toxicity C Waste, SW-846, USEPA	Characteristic Leaching Procedure Test A, July 1992.	Methods for Evaluating Solid
	Method 3510, Separator 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	te, SW-846, USEPA, Sept. 1986.
Note:	Regulatory Limits based	on 40 CFR part 261 subpart C section	261.24, July 1, 1992.
Comments:	QA/QC for sample	22848.	
Analyst	- C. aplum	<u>Arister</u> Review	e my Watter

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 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 Accep	tance Criteria	Parameter	Percent Recovery
		2-fluorobiphenyl	95%
References:	Method 1311, Toxicity Method 3510, Separat Method 8090, Nitroaro	Characteristic Leaching Procedure, ory Funnel Liquid-Liquid Extraction, s matics and Cyclic Ketones, SW-846,	SW-846, USEPA, July 1992. SW-846, USEPA, July 1992. , USEPA, Sept. 1986 <i>.</i>
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	ction 261.24, July 1, 1992.
Comments:	QA/QC for sample	22848.	
Analyst	- C. apun	~ /////	stine of Walters

PRACTICAL SOLUTIONS FOR A ELETTIER TOMORROW

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 (Method 3510, Separato Method 8090, Nitroaron	Characteristic Leaching Procedure, S ry Funnel Liquid-Liquid Extraction, S natics and Cyclic Ketones, SW-846, I	W-846, USEPA, July 1992. W-846, USEPA, July 1992. USEPA, Sept. 1986.	
Note:	Regulatory Limits based	d on 40 CFR part 261 Subpart C sect	tion 261.24, July 1, 1992.	

Comments:

Analyst

Watter Review

PRACTICAL SOLUTIONS FOR A BETTLER 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	

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

ND - Parameter not detected at the stated detection limit.

QA/QC Accep	tance Criteria	Parameter	Maximum Difference
QA/QC Acceptance Cri References: Metho Metho Note: Regula		8090 Compounds	30%
References:	Method 1311, Toxicity Method 3510, Separate Method 8090, Nitroaro	Characteristic Leaching Procedure, S ory Funnel Liquid-Liquid Extraction, S matics and Cyclic Ketones, SW-846,	3W-846, USEPA, July 1992. 3W-846, USEPA, July 1992. USEPA, Sept. 1986.
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.
Comments:	QA/QC for sample	22848.	

Analyst

n Walters Mistu Review

ENVIROTECH

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 Extra	act	Date Recei	ived:		N/A		
Analysis Requested: TCLP Metals				Date Analy	zed:		06-06-02		
Condition:		N/A		Date Extra	cted:		06-04-02		
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	%	Acceptance		
Conc. (mg/L)	Blank	Blank	Limit			Difference	Range		
Arsenic	ND	ND	0.001	ND	ND	0.0%	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:

Analyst

m Walter Mistur Review

09938	S / PARAMETERS	Remarks							Date Time	(1202)		Sample Receipt	Y N/A	Received Intact	Cool - Ice/Blue Ice
STODY RECORD	ANALYSIS	of د اک م ا ر ا لار	oN stro0) /~	7					Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	TECH INC		S. Highway 64 New Mexico 87401) 632-0615
CHAIN OF CU	Project Location 4109 E Main St	Client No. 72 I 32 - 30 (Lab Number Matrix	22848 Soil					Date Time	V0:C1 70.0 5		ENVIRO	A CALL AND	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)	Relinquished by: (Signature)	Relinquished by: (Signature)				

	mantyne Krelong
Intrict I - (505) 393-6161New MexicoO. Box 1980Sobbs, NM 88241-1980Energy Minerals and Natural Resourceatrict II - (505) 748-1283Oil Conservation Divis1 S. First2040 South Pacheco Streetresia, NM 882102040 South Pacheco Street` Rio Brazos Road(505) 827-7131c, NM 87410(505) 827-7131	rces Department ion t Submit Or 05 Plus 1 to approp District O
BEQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: Non-Exempt: K	4. Generator EPES
Verbal Approval Received: Yes 🔲 No ි	5. Originating Site Blonco Plant
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Equipress
3. 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 ST Courts 1111
9. <u>Circle One</u> :	
BRIEF DESCRIPTION OF MATERIAL: Cleanup of turbine oil contour crank care Failure.	cincled Soil at a
	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</u> TITLE: Landfarm M Waste Management FacilityAuthonized Agent TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TEL	Manager DATE: 1.22.02 EPHONE NO. 505-632-0615
(This space for State Use)	
APPROVED BY: Denny tent TITLE: En in	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 Marie 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
Atlach list of originating sites as appropriate	
4. Source and Description of Waste	
Sails antening with here all from all filts	t one Failute
Sons containmated with lube on from off file	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)
	NON-EXEMPT oilfield waste which is non-hazardous by
	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):
MCDC Information	Other (description)
X RCRA Hazardous Waste Analy	sis
Chain of Custody	
	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

Concentration Parameter (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

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 N Review Analyst

			קרטטקר וע	1004	6
Client / Project Name	Project Location Blenco Plen	A- OZ Turbin	ANALYSIS / PARA	METERS	
Sampler: Have we H. Browed	Client No.	7-063	ور کی ور برکی مراجع کی	Bem	arks
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix	Cont		
Lube .: 1 Upset 7.2.02 11:35	5 23215	Soil 1			
Relinquished by: (Signature)		Date Time Received b 7.2.0 2.12 : 2.8 10.17	by: (Signature)	Dai 7/2/1	te Time
Relinquished by: (Signature)		Received b	by: (Signature)		
Relinquished by: (Signature)		Received b	by: (Signature)		
		FOVIROTFC		Sample Rec	eipt
					Y N N/A
		5796 U.S. Highway Farmington New Mexid	ay 64 ico 87401	Received Intact	7
		(505) 632-0615	5	Cool - Ice/Blue Ice	

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	JUL 2002 JUL 2002 JUL 2002 Form C-1 Originated 8/1 On ONL CONS. DIV. DIST. 3 Submit Orig Plus 1 C to appropri District Of Env. JN: 10// 18 Jon Mounty Inc. No. 17/10 Submit Orig Plus 1 C to appropri District Of	
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 EDU'ivo tech	
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Daws Decapico	
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)	tor transport. af Henre & Inbricating tions (ail & 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: <u>Harlan M. Brown</u> TITLE: <u>Landfarm Manager</u> DATE: <u>7./5.02</u> <u>Waste Management FacilityAuthorized Agent</u> TYPE OR PRINT NAME: <u>Harlan M. Brown</u> TELEPHONE NO. <u>505-632-0615</u>		
(This space for State Use) APPROVED BY: Demy Feut TITLE: Enviro	/ First DATE: 07/18/02	
ADDOUTD DV MUL OSA - TITLE MULLION	now generacist DATE: 05 /23 /2010	



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT Douve Forest. 7. 15.02 14:04 OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC. NEW MEXICO 87410 (506) 334-6178 Fax (505)334-6170

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;5056321865

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 CHEMICAL 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 Soll Co. OILS OF UARIOUS GRADES	NTAMINATED WITH VIRGIN MOTOR
I, JOHN MESSON(JER (Print Name) COASTAL CHEM LUC according to the Resource Conservation and Recover 1988, regulatory determination, the above described	representative for: do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
EXEMPT oilfield waste X NON-EXEM analysis or	NPT oilfield waste which is non-hazardous by characteristic by product identification
For NON-EXEMPT waste the following documenta X MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	ition is attached (check appropriate items): Other (description):

Name (Original Signature)
Title: WAREHODE
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)

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)

Notice of Intended Changes (1998)5 mg/m3, 8 Hr. TWA, (As sampled by
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 المتحاف والمتحاف 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	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.

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

omponents 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)

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.

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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

NF	PA, NPCA-HMIS								
	NFPA Raling	0							
	nealth	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	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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Telephone		: 1-281-293-5550	
>		: Houston, TX 77252	
>		: PO Box 2197	
Address		: Conoco Inc.	
Responsibility	for MSDS	: MSDS Coordinator	

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Indicates updated section.

End of MSDS

09/12/00 TUE 10:40 FAX 903 984 2708

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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 offects, 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 switcher 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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[FIRST DOC] [PREV DOC] [CURR DOC] [NEXT DOC]	
BOTTOMI DINEXT HITI ? HELPI	
to make a difference ™ <u>Print View</u>	
605717-00	
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

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.

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

___^

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.

. . . .

---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: Verbal Approval Received: Yes No X	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> :						
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste cla approved 	a certification of waste from the Generator; ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be					
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.						
Enclosed is certificate of waste status and MSDS data.						
Estimated Volume appx. 4 ½ drums cy Known Volume (to be entered by the operator at the end of the haul)cy						
SIGNATURE (Armella () An Main ArtITLE : Bookkeeper Waste Management Facility Authorized Agent	DATE :07-03-02					
TYPE OR PRINT NAME: Carmella Van Maanen TEL	EPHONE NO: (505) 393-1079					
(This space for State Use)						
APPROVED BY: Muton OK- TITLE: Environment	W Geologist DATE: 7/10/02					
APPROVED BY: Chine Wellissin TITLE: Dist. A	upurion 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 Engy 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 261, Subparty C and D, then est hear added or used with the wave so as a mathematican minute a "hazardone waster" permanent to the provisions of 40 CFR, Part 261, 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"

المعوديه ويعاربون ويتعفقون والا

11.1

COMPANY I GENERATOR Holls burters Every Dervices ADDRESS SEAL LOWING Too Most Holds, MM OENERATING SITE OCCUPATEL - D. M. HOLL - 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 astart as most-legarithms. I further config: that only having 2° heated or listed works? persons it for the provisions of 40 CER Pan 26), Subparts C and D, her not been added or migd with the ways so is to make the resultant minimum of hereing a work? parsacra to the provisions of 40 CER. For 26, Subparts C

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	2512 0000 FLOU
Company Undertaking Identification	Halliburton Energy Services Hill Park Court, Springfield Drive eatherhead Surrey KT22 7NL United Kingdom Emergency Phone Number: +44 117 927 0086 o	or +1 713 676 3000
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/m ³	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 forFull 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.		
Respiratory Protection	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):
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 teel	h.
Other Information	None known.	526272829.20
Toxicity Tests		BIA LE CUA
Oral Toxicity:	Not determined	
Dermal Toxicity:	Not determined	
Inhalation Toxicity:	LC50: 3124 ppm/1 hr. (Rat)	
	HYDROCHLORIC ACID 10-30%	K.

HYDROCHLORIC ACID 10-30% Page 3 of 5

Primary Irritation Effect:Not determinedCarcinogenicityNot determinedGenotoxicity:Not determinedReproductive /
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

, f · · [*] .	EC Supply labeling Requirements	This product is subject to the labeling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended.
١	Classification	C - Corrosive.
	Risk Phrases	R34 Causes burns. R37 Irritating to respiratory system.
	Safety Phrases	 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45 In case of accident or if you feel unwell, seek medical advice immediately. S1/2 Keep locked up and out of reach of children. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
	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 following sections have been revised since the last issue of this MSDS t applicable		
Additional Information	For additional information on the use of this product, contact your local Halliburton representative.		
	For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.		
Disclaimer Statement	This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.		

END OF MSDS



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	INGRED	ENTS		
	Substance_	<u>Weight</u> Percent (%)	<u>UK</u> OEL/MEL	<u>Germany</u> 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	
Carcinogenicity: 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

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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: 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>Calamelle</u> Waste Management	Facility 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:	Charollo Plymale	
	PRINTED	
ADDRESS:	SOI BAST MAIN	
	ARTESIA, NM 82210	
DATE:	6-28-02	

NO' €02 6'3 NO' €51 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	5.			Order ID Numbe	er: A02061214
Project Number: Project Name: Project Location:	N/A N/A Tank 212 Bottome				
Sample	Description	Matrix	Date Taken	Time Tøken	Date Received
Tanno	These 919 Bathoms	Liquid 150	ale 6/10/02	16:00	6/13/02

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.

Param	Flag	Result	Units
Corrosivity			
Corrosivity (EFA limit = >6.5 mm/yr)		4043 non-corrosive	mm/yr
pH (BPA limit = <2 >1.2.5)		6.9	ຮ.ບ.
Flashpoint (EPA limit = >140 F)		110	F.
Reactivity			
Reactivity		Non-reactive	
Hydrogen Sulfide (BFA limit = fi0D)		<10	mg/L
Hydrogen Cyanide (BPA limit = 250)		<2.5	mg/L
TCLP Morcury (EPA limit = 0,20)		<0.010	ng/L
TCLP Metals			
TCLP Arsenic (EFA limit = 5.0)		<0.500	$\pi g/L$
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
TCLP Silver (BPA limit - 5.0)		<0.125	mg/J.
TCLP Semivolatiles			
Pyridine (EPA limit = 5.0)		<0.05	mg/L
1,4-Didilorobenzeno (EPA limit = 7.5)		<0.05	mg/I_
o-Cresol (EPA limit = 200.0)		<0:05	mg/L
m.p-Cresol (EPA limit = 200.0)		<0.05	mg/L
Hexachlorowhane (EPA limit = 3.0)		<0.05	mg/L
Nitrobenzens (EFA limit $= 2.0$)		<0.05	mg/L
Hexachlorobutadiene (BFA limit = 0.5)		<0.05	<u>-</u> , me/L
2.4.6-Trichlorophenol (EPA limit $= 2.0$)		<0.05	$m_{\rm F}/L$
2.4.5-Trichlorophenol (BFA limit = 400.0)		≪ Ω.05	m/ĭ.
2,4-Dinitrotolugne (EPA limit = 0.13)		<0.05	mg/T

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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	Units
2.4 D (EPA $ m = 10.0$)		<0,05	mg/L
Heyschlorobepzete (EPA $lim t = 0.13$)		<0.05	mg/L
2.4.5-TP /EPA limit = 1.0)		<0.05	ng/L
Pentachlorophenol (EFA $ mit = 100.0\rangle$)		<0.05	mg/፲.
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
Banzene (EPA limit $= 0.60$)		0.25	mg/L
Carbon Tetrachloride (EPA limit = 0.50)		<0.05	mg/L
Trichloroethone (TCE) (EPA limit = 0.50)		<0.05	mg/L
Tetrachloroethons (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

199080	1 Aberdmen Averiue, Sie. 3 Luthooft, Texas 73424 Tai (306) 734-1235 Fra (306) 734-1235 Tai (306) 734-1235	any Names NAVAJD HEF.	1000 EASTSIDE	DON HOULINAS	e tu: Hend frum attove)	44	1 Localine Tank 212 Rat	1110 SIJ (120)		use	all KANX 212 Roman										usated by: Date: Three $k-1/r$ 02 9.20	Houwar	Il brown both 42 4100 1	ished by Date Time.	tal of samples constitutes agreement to ferms	
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100.27.2002 2:59PM ENGINEERING

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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 MexicoDistrict IIEnergy Minerals and Natural Resourd1301 W. Grand Avenue, Artesia, NM 88210Oil Conservation DivisionDistrict IIIOil Conservation Division1000 Rio Brazos Road, Aztec, NM 874101220 South St. Francis Dr.District IVSanta Fe, NM 87505	() Form C-138 Revised March 17, 1999 Submit Original. Plus 1 Copy to Appropriate District Office
REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Quail Tools
	5. Originating Site Odessa Facility
2. Management Facility Destination Controlled Recovery Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 388, Hobbs	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 400 Alabama, Odessa	Texas
9. <u>Circle One</u> :	
 A. All requests for approval to accept official exempt wastes will be accompanied by one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by neaterial is not-hazardous and the Generator's certification of origin. No waste cla approved All transporters must certify the wastes delivered are only those consigned for transport 	ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL:	
05-28-02A Caustic vat sludge generated from emptying spent fluid/solids from a caust Enclosed is certificate of waste status, analytical data, and chain of custody this process through the year 2003.	tic vat. y to extend w to extend Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hobbs Horright Hori
Estimated Volume appx. 10 cu. yards yearly cy Known Volume (to be entered by the	e operator at the end of the haul) cy
SIGNATURE <u>Waste Management Facility Authorized Agent</u> TITLE : <u>Bookkeeper</u>	DATE :05-28-02
TYPE OR PRINT NAME: Carmella Van Maanen TEL	EPHONE NO: <u>(505) 393-1079</u>
(This space for State User APPROVED BY: Martin 24. TITLE: Environment APPROVED BY: Morton 24. TITLE Environment	Alberton DATE: 10-702 Alberton 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/+ds/ Year
GENERATING PROCESS Emptying spent finid/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 Deterministion. 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 / chem Dames
ADDRESS # 9 E Industain Loup

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

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15053333

Midland, Tx 79701

DATE 5/13/01
LP ENVIRONMENTAL

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"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	Ba	Cď	Cr	Hg	Рb	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
			ν,					
QUALITY CONTROL	0.966	1.02	0.990	0.984	0.963	0.015	0.998	1.03
TRUE VALUE	1.00	1.00	I.00	1.00	1.00	0.015	1.00	1.00
% INSTRUMENT ACCURACY	97	102	99	98	96	101	100	103
SPIKED AMOUNT	1.00	0,200	1.00	0.200	1.00	0.015	1.00	0.200
ORIGINAL SAMPLE	<0.002	<0.008	0.205	0.002	0.015	<0.002	0.019	<0.004
\$PIKE	1.19	0.208	1,29	0,172	0.810	0.017	1.00	0.240
SPIKE DUP	1.16	0.208	1.31	0.176	0.811	0.016	1.01	0.240
% EXTRACTION ACCURACY	119	115	109	85	80	106	98	119
BLANK	<0.002	<0.008	< 0.001	< 0.001	<0.002	<0.002	<0.011	<0.004
RPD	2.90	0.19	1.38	2.01	0.17	6.69	0.73	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	mg/kg
0101694-01	QT 001	18400

OHALITY 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

(7)		GRO C6-C10	DRO >C10-C28	Total TPH		
<u>EL1#</u>	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 7	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	%ЕА	%DEV	RPD	
Banzana	0.002	0 1 27	100	-0.4	F,	
Carbon tateachlorida	0.002	V.157	102	-0.4	5	
Calibon ten acmonide	0.002		104	-2.0	. 0	
Chioropenzene	0,002	0.003	. 39	1.5	U	
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	z	
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

		REACTIVIT	Y	CORROSIVITY	IGNITABILITY	
		H2S	CN-			
ELT#	Field Code	mg/kg	mġ/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

TCLP	REG.	REPORT	ELT#				
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. Bovirosmostal Lab of Texas makes no representation or transportation/hundling procedures used prior to the receipt of samples by Esvironmental 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 <u>Received</u> 6/11/02 11:16	Container 2 az yezs	Preservativa None
La	Textne:	Rejected: No	Tër	191 23.41 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-ID 4	Semple Concentr.	Spike Cuncentr.	QC Test Result	Pet (%) Recovery	rpd
pH-FH Units	0203623-01	8.77		8.81		0.5%
SRM WATER	LAB-ID #	Sample 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

15053933615 9155203844

CONTROLLED RECOVERY

06/12/2002 06/11/2002

5 . Sec.

07:16 17:21

	Roger Anderson
Image: Second	Form C-13 Originated 8/8/5 On MAR 0 4 2002 Environmental Bureau Oil Conservation Division Env. JN: 62008-001
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
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 Roms 5500 Bloomfield Nel.
9. <u>Circle One</u> :	
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Bottom sledge at EVA poention pon TCLP ATTACHED. Memied to Suntuffe Memied to Suntuffe Subject 2124022 Subject 2124022 Subject 1000	I for transport. Life transport. EB 2002 CON DIV DINT. 3 CON DIV CON
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: Manten Shing 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:
The Leven Co.	Envirotech Scil Remediation Facility
MINT TOVAL	Landfarm #2
501 Arrout. U- our 100	Hilltop, New Mexico
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. Scorce and Description of Waste	·
pond sludge	
L TERRY Griffin	recresectative for:
(Print Name)	
BISTECH REMEDIATI	ond do hereby certify that.
according to the Resource Conservation and Recover 1988, regulatory determination, the above described	y Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
EXEMPT oilfield waste NON-EXEM	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 dog month	tion is attached labook appropriate items).
	uvn is attauliou (check appropriate items);

- 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.

Halon The 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

hmb/TG

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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.

Harlan Mi Brow

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

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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50, 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

enc.

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CMW/cmw

PRACTICAL SOLUTIONS FOR A DETTREE TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

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

misting Malter Analyst

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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
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 Cha		Characteristic Leaching Procedure, SW-8	46, USEPA, July 1992.		
	Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.				
Method 8010, Halogenated		ated Volatile Organic, SW-846, USEPA, S	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.

uu

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%
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Waste, SW-846, USEPA, July 1992.			Test Methods for Evaluating Solid
	Method 351 Waste, SW-	0, Separatory Funnel Liquid-Liquid Extraction, 846, USEPA, July 1992.	, Test Methods for Evaluating Solid
	Method 804	0, Phenols, Test Methods for Evaluating Solid	I Waste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory l	imits based on 40 CFR part 261 subpart C se	ection 261.24, July 1, 1992.
Comments:	(Biotech I	nc.) Thriftway Refinery Lagoons.	

_ 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

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 Analyzed:	02-19-02
Preservative:	Cool	Date Extracted:	02-15-02
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

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



1

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	e 100%	
References:	Method 1311, Toxicity (, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.		
	Method 5030, Purge-an	nd-Trap, SW-846, USEPA, July 1992.		
	Method 8010, Halogena	ated Volatile Organic, SW-846, USEPA, Sept. 1994.		
	Method 8020, Aromatic	Volatile Organics, SW-846, USEPA, Se	ept. 1994.	
Note:	Regulatory Limits based	d on 40 CFR part 261 Subpart C sectior	n 261.24, July 1, 1992.	

Comments:

QA/QC for samples 22037 - 22039 and 22041.

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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 Acce	ptance Criteria	Parameter	Percent Recovery
· · · · · · · · · · · · · · · · · · ·	· · · ·	Fluorobenzene	99%
		1,4-difluorobenzene	98%
		4-bromochlorobenzene	98%
References:	Method 1311, Toxicity	Characteristic Leaching Procedure, SW-8	346, USEPA, July 1992.
	Method 5030, Purge-an	nd-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.
Note:	Regulatory Limits based	d on 40 CFR part 261 Subpart C section :	261.24, July 1, 1992.
Comments:	QA/QC for sample	s 22037 - 22039 and 22041.	

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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.

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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:	QA/QC Matrix Spike 22037 TCLP Extract TCLP			Project #: Date Reporte Date Sample Date Receive Date Analyze	ed: d: ed: ed:	N/A 02-19-02 N/A N/A 02-19-02
Condition:	N/A			Date Extracte	ed:	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
Vinvl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1.1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0087	0.050	0.0577	0.0001	98%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	0.0018	0.050	0.0513	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments:

QA/QC for samples 22037 - 22039 and 22041.

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

ND - Parameter not detected at the stated detection limit.

Surrogate Re	coveries:	Parameter	Percent Recovery
		2-fluorophenol	98 %
		2,4,6-tribromophenol	99 %
References:	Method 13 ⁻ Waste, SW	1, Toxicity Characteristic Leaching Prod -846, USEPA, July 1992.	cedure Test Methods for Evaluating Solid
	Method 35 ⁻ Waste, SW	10, Separatory Funnel Liquid-Liquid Extr -846, USEPA, July 1992.	action, Test Methods for Evaluating Solid
	Method 804	0, Phenols, Test Methods for Evaluating	g Solid Waste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory	Limits based on 40 CFR part 261 subpa	art C section 261.24, July 1, 1992.

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

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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	98%
		2,4,6-Tribromophenol	99%
References: Method ² Waste, S		1, Toxicity Characteristic Leaching Procedure T 346, USEPA, July 1992.	Test Methods for Evaluating Solid
	Method 351 Waste, SW-	0, Separatory Funnel Liquid-Liquid Extraction, 7 346, USEPA, July 1992.	Test Methods for Evaluating Solid
	Method 804), Phenols, Test Methods for Evaluating Solid \	Naste, SW-846, USEPA, Sept. 1986.
Note:	Regulatory L	imits based on 40 CFR part 261 subpart C sec	tion 261.24, July 1, 1992.
Comments:	QA/QC fo	r samples 22037 - 22039 and 22041.	

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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
		ND	0.020	0.00/
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 C Waste, SW-846, USEP/	Characteristic Leaching Procedure Test N A, July 1992.	Methods for Evaluating Solid
	Method 3510, Separato 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	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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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

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		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	tance Criteria	Parameter	Percent Recovery		
		2-fluorobiphenyl	100%		
References:	Method 1311, Toxicity	Characteristic Leaching Procedure, S	SW-846, USEPA, July 1992.		
. •	Method 3510, Separat Method 8090, Nitroaro	ory Funnel Liquid-Liquid Extraction, S matics and Cyclic Ketones, SW-846,	SW-846, USEPA, July 1992. USEPA, Sept. 1986.		
Note:	Regulatory Limits base	ed on 40 CFR part 261 Subpart C sec	ction 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
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery			
		2-fluorobiphenyl	100%			
References:	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992. Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986					
Note:	Regulatory Limits base	ed on 40 CFR part 261 Subpart C sec	tion 261.24, July 1, 1992.			
Comments:	QA/QC for sample	es 22037 - 22039 and 22041.				

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Review Review

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	sted:	TCLP	
	Sample	Duplicate		Det.	
	Result	Result	Percent	Limit	
Parameter	(mg/L)	(mg/L)	Difference	(mg/L)	
Pvridine	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 (Method 3510, Separato	Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992. Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.						
	Method 8090, Nitroaror	natics and Cyclic Ketones, SW-846, L	JSEPA, Sept. 1986.					
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C secti	ion 261.24, July 1, 1992.					

ND

Comments:

QA/QC for samples 22037 - 22039 and 22041.

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Environe LABS

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

Client:		QA/QC	QA/QC				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	nct	Date Recei	ved:		N/A			
Analysis Requested:		TCLP Meta	ls	Date Analy:	zed:		02-19-02			
Condition:		N/A		Date Extracted:			N/A			
Blank & Duplicate	Instrument	Method	Detection	n Sample	Duplicate	%	Acceptance			
Conc. (mg/L)	Blank	Blank	Limit	0.040	~ ~ 1 ~	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	0.03 9	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 ND		0% - 30%			
Spike		Spike	Sample	Spiked	Percent		Acceptance			
Conc. (ma/L)		Added		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:

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DF Cl	REFINERS	100-80	Sampl Matrix	SOLIDS					Date Tim	14/02 14:					5796 I Farmington	(50
CHAIN (Project Location	Client No _. ପିଲି ପ	Lab Number	22039						40	<u> </u>					
	5		Sample Time	14:00												
	Thiltw ENC).	0426	Sample Date	3/21/20 0			 	 	re)	Y	(e)	re)				
	Client / Project Name	Sampler: Morris D. 4	Sample No./ Identification	EVAPoration BASi					Relinquished by: (Signatu	monil. your	Relinquished by: (Signatu	Relinquished by: (Signatu				

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	Roger Antes
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atrict II - (505) 748-1283 Oil Conservation Division 1 S. First 2040 South Pacheco Street resia, NM 88210 Santa Fe, New Mexico 87505 'Rio Brazos Road (505) 827-7131 c, NM 87410 (505) 827-7131	MAR 0 4 2002 Environmental Bureau Oil Conservation Division Env. JN: 02008 Submit Origin Plus 1 Co to appropria District Offi
BEOLIEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	THRIFTWAY Corp. 4. Generator
Verbal Approval Received: Yes 🔲 No 🖂	5. Originating Site THRIFTWAY
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter ENVIROTELL
3. 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> :	
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: Sludge & water at crade Toule Sun Out of Soundar Fe Deviced to Soundar Fe Subjectiew 24802 Subjectiew 24802	for transport. TPS. FEB 2002 ON CONV DIV FEB 2002 ON CONV DIV
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	DATE: 2-28-02
FYPE OR PRINT NAME: Harlan M. Brown TELE	EPHONE NO
(This space for State Use)	
APPROVED BY:	DATE:
APPROVED BY / Muntino Oth- TITLE: Environm	Nul biologist 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:



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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.

low 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

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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.

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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 # 057-18	65	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

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CMW/cmw

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PRACTICAL SOLUTIONS FOR A BEIMERTIOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client: Sample ID: Lab ID#: Sample Matrix: Preservative: Condition:	Thriftway SM-2 + SM-1 22041 Water Cool Cool and Intact	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Chain of Custody:	02008-001 02-19-02 02-14-02 02-14-02 02-15-02 8919
Parameter	Result		
IGNITABILITY: CORROSIVITY:	Negative Negative	pH = 6.84	
REACTIVITY:	Negative	•	
RCRA Hazardous Waste Criteria			
Parameter	Hazardous Waste Criterion		
IGNITABILITY:	Characteristic of Ignitability as defining (i.e. Sample ignition upon direct co	ned by 40 CFR, Subpart C, Sec. 261.21. ntact with flame or flash point < 60° C.)	
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (<i>i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5</i>)		
REACTIVITY:	Characteristic of Reactivity as defin (i.e. Violent reaction with water, str of Sulfide or Cyanide gases a	ned by 40 CFR, Subpart C, Sec. 261.23. ong base, strong acid, or the generation t STP with pH between 2.0 and 12.5)	
Reference:	40 CFR part 261 Subpart C section	ns 261.21 - 261.23, July 1, 1992.	
Comments:	Hwy 550, NM.	_	

<u>Analyst</u>

L. l <u>deran</u> Review

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:	Ccol	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:	46, USEPA, July 1992.				
	Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.				
	Method 8010, Halogena	lethod 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.			
	Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.				
Note: Regulatory Limits base		I on 40 CFR part 261 Subpart C section 2	261.24, July 1, 1992.		
		· · ·			

Comments:

Hwy 550, NM.

P. Up uu Analyst

Review Walters

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-Çresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachiorophenoi	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 351 Waste, SW-	0, Separatory Funnel Liquid-Liquid Extracti 846, USEPA, July 1992.	on, Test Methods for Evaluating Solid	
	Method 804	0, Phenols, Test Methods for Evaluating So	olid Waste, SW-846, USEPA, Sept. 1986.	
Note:	Regulatory I	imits based on 40 CFR part 261 subpart C	Section 261.24, July 1, 1992.	
Comments:	Hwy 550,	NM.		

e. Qu ۔ب Analyst

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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

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 Method 3510, Separate Method 8090, Nitroarou	Characteristic Leaching Procedure, bry Funnel Liquid-Liquid Extraction, matics and Cyclic Ketones, SW-846	SW-846, USEPA, July 1992. SW-846, USEPA, July 1992. , USEPA, Sept. 1986.
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C se	ction 261.24, July 1, 1992.
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Comments: Hwy 550, NM.

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PRACTICAL SOLUTIONS FOR A DETITER 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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- m Walten



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		Project #:	NI/Δ
Sample ID:	Laboratory Blank	Date Reported:	02-19-02
Laboratory Number:	02-19-TCV	Date Sampled:	N/Δ
Sample Matrix:	Water	Date Received:	N/A
Brooppotivo:		Date Analyzad:	
	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)
Minuel Ohlensiele	ND	0.0004	0.0
Vinyi Chioride	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
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ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria		Parameter	Percent Recovery		
	Fluorobenzer		100%		
		1,4-difluorobenzene	100%		
		4-bromochlorobenzene	100%		
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 19					
	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, Se	pt. 1994.		
Note:	Regulatory Limits base	1 on 40 CFR part 261 Subpart C section	261.24, July 1, 1992.		

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

- C. Ckp un Ánalvst

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PRACIFICAL SOLUTIONS FOR A BETHER TOWORROW

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: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	QA/QC Matrix Duplic 22037 TCLP Extract TCLP N/A	ate	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	N/A 02-19-02 N/A N/A 02-19-02 02-14-02
		Duplicate		
Parameter	Sample Result (mg/L)	Sample Result (mg/L)	Detection Limits (mg/L)	Percent 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.

Comments:

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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	ed: d: 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. 7 Range
Vinyl Chloride 1,1-Dichloroethene 2-Butanone (MEK) Chloroform Carbon Tetrachloride Benzene 1,2-Dichloroethane	ND ND 0.0087 ND ND 0.0018 ND	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	0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001	99% 99% 98% 100% 98% 99% 98%	28-163 43-143 47-132 49-133 43-143 39-150 51-147 25 146
Trichloroethene Tetrachloroethene Chlorobenzene 1,4-Dichlorobenzene	ND ND ND ND	0.050 0.050 0.050 0.050	0.0495 0.0495 0.0495 0.0495	0.0003 0.0005 0.0003 0.0002	99% 99% 99% 99%	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:

~ P. aqueren

Mistin Muceters Review

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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:

Analyst

<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 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 351 Waste, SW-	3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid 3W-846, USEPA, July 1992.				
	Method 804	0, Phenols, Test Methods for Evaluating Soli	d Waste, SW-846, USEPA, Sept. 1986.			
Note:	Regulatory	Limits based on 40 CFR part 261 subpart C s	section 261.24, July 1, 1992.			
Comments:	QA/QC fo	r samples 22037 - 22039 and 22041				

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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
T drameter	(119/2)	(ing/L)	(119/1)	Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:		Parameter	Maximum Difference	
		8040 Compounds	30.0%	
References:	Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.			
	Method 3510, Separatol 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	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: Method 1311, Toxicity Cha Method 3510, Separatory		Characteristic Leaching Procedure, bry Funnel Liquid-Liquid Extraction,	SW-846, USEPA, July 1992. SW-846, USEPA, July 1992.
Note:	Regulatory Limits base	natics and Cyclic Ketones, SVV-846 d on 40 CFR part 261 Subpart C se	o, USEPA, Sept. 1986.
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Comments: QA/QC for sam

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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 1992 Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992 Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.		SW-846, USEPA, July 1992. SW-846, USEPA, July 1992. USEPA, Sept. 1986.
Note:	Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.		tion 261.24, July 1, 1992.

Comments:

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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	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:	S: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1 Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1 Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.		SW-846, USEPA, July 1992. SW-846, USEPA, July 1992. , USEPA, Sept. 1986.	
Note:	Regulatory Limits base	d on 40 CFR part 261 Subpart C sec	ction 261.24, July 1, 1992.	

Comments:

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PRACENCAL SOLUTIONS FOR AN BEILDER TOMORTOW

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

Client:		QA/QC	QA/QC Pro				N/A	
Sample ID:		02-19-TCM QA/QC		Date Repo	Date Reported:		02-19-02	
Laboratory Number:		22037		Date Sam	oled:		N/A	
Sample Matrix:		TCLP Extra	ct	Date Rece	ived:		N/A	
Analysis Requested:		TCLP Metal	s	Date Analy	/zed:		02-19-02	
Condition:		N/A		Date Extra	cted:		N/A	
Blank & Duplicate	Instrument	Method	Detection	on Sample	Duplicate	% Differences	Acceptance	
Arconic			0.001	0.046	0.046		N% - 30%	
Barium			0.001	0.040	0.040	0.0%	0% - 30%	
Cadmium			0.001	0.207	0.200	0.7 %	0% - 30%	
Chromium		ND	0.001	0.035	0.000	1.3%	0% - 30%	
Load	ND	ND	0.001	0.143	0.147	1.0%	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%	
<u> </u>		0.11		0 11 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:

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	CHAIN OF CUS	TODY RECORD	08919
	Project Location けんりくSO NM	ANALYSIS / PARA	METERS
	Client No. びょののる - 00 \	ainers L.P. J.P.	Remarks
e Sample Time	Lab Number Matrix	Nc DT Vo V	
1540	22041 H20	۲ /	
	Date He	sceived by: (Signature)	Date Tim
	2/14/02 16:60	Think Libeter	3-14-02 No:1
		sceived by: (Signature)	
		sceived by: (Signature)	
	FOVIROTI		Sample Receipt
			Z >
	5796 U.S. F Farminuton New	lighway 64 v Mexico 87401	Received Intact
	(505) 63	2-0615	Cool - Ice/Blue Ice

D:attrict 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 Pi - trict III - (505) 334-6178 Santa Fe, New Mexico 87505 Rio Brazos Road (505) 827-7131	RECEIVED es Department JUN 0 3 2002 Environmental Bureau Oil Conservation Division Env. JN: <u>93212-069</u> Form C-138 Originated 8/8/95 Submit Original Plus 1 Copy to appropriate District Office
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
3. Address of Facility Operator 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.
 A. All requests to approval to accept non-exempt wastes must be according to accept 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: Compressor eil spillon skid; some eigen solution of the solu	ompanied by necessary chemical analysis to in of origin. No waste classified hazardous by d for transport.
Estimated Volume cy Known Volume (to be entered by the operative stress of the operative stre	erator at the end of the haul) cy anager DATE: $5./5.07$ EPHONE NO. $505-632-0615$
(This space for State Use) APPROVED BY: Deny Cent TITLE: Environment APPROVED BY: Martin 1975, TITLE: Environment	2/Engt DATE: 5/17/02 h) Georgist DATE: 6-3-02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION A2TEC DISTRICT OFFICE 1000 RIO SRAZOS ROLO A2TEC, NEW MEXICO S7410 (504) 334-6178 Fax (505)314-6170

GARY E. JOHNSON GOVERNOR JENNIFER A. SALISBURY CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

93212-004

1. Generator Name and Address: LOMPRESSOR SUSTEMS INC.	2. Destination Name: ENVirotech Soil Romediation Famility, Landform Hill top, NM.	#.Z
P.O. BOX 1886	5796 US HWY 64	ļ
BLOOMFIELD, N.M. 87413	Farmington, Now Almades 87401	
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):	
30-5-#212 UNT# 410099		{
1061 FSL, 1540 FWL, SECTION 30, 7	T30N-R5W	
RIO ARRI	BA, COUNTY N.M.	}
Attach list of originating sites as appropriate		j
4. Source and Description of Wasta	•	
COMPRESSOR OIL - BLOWN OIL LING WAS CONTAINED, BUT SOME RAN ON	E-LEAKING OIL ON SKID-MOST OF THE OIL GROUND	-
		j

I JM DEAL	representative for;
(Print Name)	
COMPRESSOR SUSTEMS INC.	do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Er	nvironmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check oppro	priate classification)
EXEMPT olifield waste enalysis or by product identification	Ich is non-hazardous by characteristic Ition
and that nothing has been added to the exempt or non-exempt non-hazard	ous waste defined above.
For NON-EXEMPT waste the following documentation is ettached iched	ck appropriate items):
MSDS Information Other	r (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): fim Del			
Title: SERVICE LEAD MAN	I	x	
Date: 4-1-02			

Ed W91:80 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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MSDS Number: 006852
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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 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

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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

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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
	RQ - Reportable Quantity	PEL – Permissible Exposure Limit
	C - Ceiling Limit	CAS - Chemical Abstract Service Number
	A1-5 - 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

urict I - (505) 393-6161 New Mexico Box 1980 bbs, NM 88241-1980 bbs, NM 88241-1980 Energy Minerals and Natural Resource urict II - (505) 748-1283 Oil Conservation Division S. First 2040 South Pacheco Street csia, NM 88210 Santa Fe, New Mexico 87505 YRio Brazos Road (505) 827-7131	Ses Department JUN 0 3 2002 Environmental Bureau Oil Conservation Division Env. JN: <u>93212-003</u> Form C-13 Originated 8/8 Submit Originated 8/8 Submit Originated 8/8 Plus 1 Control 10 Plus
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
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Now Whater co
7. Location of Material (Street Address or ULSTR)	N/2 See 6, TZ9N, R SW
9. <u>Circle One</u> :	Rio Arriba Canada, NOM
BRIEF DESCRIPTION OF MATERIAL: Compressor oil lected from 5KCD to gro MSDS Attached	MAY 2002 RECEIVED OM_CON. DW DIST. 3
Estimated Volume cy Known Volume (to be entered by the ope	anager DATE: 5.15.62
Waste Management FacilityAuthonized Agent TYPE OR PRINT NAME:	EPHONE NO
(This space for State Use) APPROVED BY: Demy tent TITLE: Enviro	1 <u>Engr</u> DATE: <u>5717/02</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: Evillantech Sail Remarkation Facility, Land Frame
COMPRESSOR SUSTEMS INC.	Hill Top, New Mercico
P.O. BOX 1886	5796 US HWY 64
ALDOMETED D. N.M. 97413	FARMington NW. 87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
29-5-#203 UNIT #404709	
955' FNL, SECTION 6, TOUNSHIP TZ	9-N, RANGE25W
RIO	ARRIBA COUNTY, N-M.
Attach list of ondinating sites as appropriate	
COMPRESSOR BLEW OIL LINE, 2	EARING DIL ON GRID - MOSI OF THE BIL WAS
CONTAINED BUT Some RANDON C	BROUND
JIM DEAL	representative for:
JIM DEML (Print Name)	representative for:
<u>TIM DEAL</u> (Prinz Name) <u>Compressor Sustems inc.</u>	representative for: do hereby certify that,
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SKSTEMS</u> coording to the Resource Conservation and Re	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July,
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SUSTEMS</u> coording 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, cribed waste is: (Check appropriate classification)
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SUSTEMS</u> Scording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT ciliad wasta	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, oribed waste is: (Check appropriate classification) -EXEMPT oilfield waste which is non-hazardous by characteristic
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SUSTEMS</u> ccording to the Resource Conservation and Re 988, regulatory determination, the above desc <u>EXEMPT oilfield waste</u> <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 yeas or by product identification
<u>TIM DEAL</u> (Print Name) <u>ComPRESSOR SUSTEMS</u> coording to the Resource Conservation and Re 988, regulatory determination, the above desc _ EXEMPT oilfield waste _ NON analy	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, whited waste is: (Check appropriate classification) -EXEMPT oilfield waste which is non-hazardous by characteristic yeis or by product identification
TIM DEML (Print Name) <u>ComPRESSOR</u> SUSTEMS Sustained 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: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, where waste is: (Check appropriate classification) -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 DEAL</u> (Print Name) <u>ComPRESSOR SKSTEMS</u> <u>MC-</u> scoording to the Resource Conservation and Re 988, regulatory determination, the above desc <u>EXEMPT oilfield wasts</u> <u>V</u> NON analy and that nothing has been added to the exempt are NON-EXEMPT waste the following docu	representative for: do hereby certify that, ecovery Act (RCRA) and Environmental Protection Agency's July, whited 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. mentation is attached (check appropriate items):
TIM DEMI (Print Name) <u>ComPRESSOR</u> SKSTEMS MC- ccording to the Resource Conservation and Re 988, regulatory determination, the above desc EXEMPT oilfield waste EXEMPT oilfield waste INON analy and that nothing has been added to the exempt for NON-EXEMPT waste the following docu MSDS information	representative for:
TIM DEML (Print Name) <u>ComPRESSOR SUSTEMS</u> ccording to the Resource Conservation and Re 988, regulatory determination, the above desc <u>EXEMPT oilfield waste</u> EXEMPT oilfield waste ind that nothing has been added to the exempt for NON-EXEMPT waste the following docu <u>MSDS Information</u> RCRA Hazardous Waste Analy	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

1. S. S. S. Second Barts and Antonia and a second and a strate of the second of the second second second second

Components	Amount	limit/qty	AGENCY/TYPE
HYDROTREATED DIST., HVY PAR	A		
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 c</u>	on the Toxic Substa	inces Control
Revision Number: 0 R	evision Date:	10/25/97 MSD	5 Number: 006852



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CHEVRON HDAX NG Screw Compressor Oil

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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:

01-SARA 313	ll≖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=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

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 (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 (2400.1) 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.



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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	Env. JN: <u>98065-024</u> Form C-1 Originated 8/6 Submit Orig Plus 1 C to appropr District Of
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
3. 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
All transporters must certify the wastes delivered are only those consigned BRIEF DESCRIPTION OF MATERIAL: New Engine Oil Contoninated Soil; look I Tubing	APR 2002 APR 2002 MECENVED COLOON. BY DIST. 3
SIGNATURE: Academic Cy Known Volume (to be entered by the operation of the second strength of the operation of the second strength of the	anager DATE: <u>4.30.02</u> EPHONE NO. 505-632-0615
(This space for State Use) APPROVED BY: Demy Land 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 ENGINE Cill Leak From Side Cour New	er CHSKets, AND TERME. Tubing
I, <u>Kensterk</u> <u>Kensterk</u> (Print Name) (Print Name) according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT oilfield waste <u>X</u> NON-EXEM analysis or	representative for: do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification) IPT oilfield waste which is non-hazardous by characteristic by product identification
and that nothing has been added to the exempt or nor For NON-EXEMPT waste the following documenta MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	n-exempt non-hazardous waste defined above. tion is attached (check appropriate items):
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): Minneth C	

Date: 4-17-02

er. F	MAY-02-2002 11:59	COASTAL CHEM	ICAL	'áu 505	327 9302 P.02
1* •	Lubricants - Material and Sa	fety Data Sheets	Uni	my h	Page 1 of 6
		ETTING TO SEAR MAILE THAINS A F	тне ғити: CH ety d'ata'shee	REFLRST	HOMEPAGE
				Ningen nuseu Sea	
	EL MAR GEÓ			Click here for th	e <u>PDF version</u>
	# 1. CHEMICAL PROD	UCT/COMPANY IDE	VTIFICATION		
	MSDS Code: MOTCO	EL	MAR GEO Re	vision Date:	19-oct-2000
	"EL MAR" is a reg	istered trademan	ck of Conoco.		
	Product Use: Grade: Conoco Blend Code:	Natural Gas 15W-40, 30/4 5: 7511, 7512	Engine Oil 10		
	MANUFACTURER/DIST	RIBUTOR Conoco Inc. P.O. Box 2197 Houston, TX 772 STRIBUTOR Conoco Inc. PO Box 2197 Houston, TX 772	252		
	PHONE NUMBERS Product Info Transport Eme Medical Emerg WEB SITE	rmation : 1-281 ergency : CHEMI 1-703 gency : 1-800 : WWW.c	-293-5550 REC 1-800-424-93 -527-3887 (inter -342-5119 or 1-2 conoco.com	300 (domestic) rnational; ca 281-493-2767	ll collect)
	# 2. COMPOSITION/IN	VFORMATION ON IN	IGREDIENTS		
	Components Highly refined	base oils	CAS Numbers 64741-88-4 64741-89-5	% 30-100 0-60	
	Proprietary add If oil mist is gen	litives nerated, exposur	e limits apply.	0-15 (See Section	n 8_)
	3. HAZARDS IDENTIF		· · · · · · · · · · · · · · · · · · ·	- 	
	APPEARANCE / ODOR Light brown lic	EMERGENCY C guid / mild petr	vERVIEW oleum hydrocarbo	on odor.	
	OSHA REGULATORY ST This material i Regulations.	NATUS is not known to	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

MAY-02-2002 11:59

Lubricants - Material and Safety Data Sheets

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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

Page 3 of 6

Lubricants - Material and Safety Data Sheets

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 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.

-02-20	302 12:00	COASTAL	CHEMICAL	'áU	505 327 9302	P.05		
oricant	s - Material and Sa	afety Data She	eets			Page 4		
	Mach thorough	lu uith ann	n and water after	apptagt				
۵n	mash thorough. Icable Exposi	re Limits	h aug waret arret	contact.				
· • P•	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 1	0 mg/m3			
9.	PHYSICAL AND CH	EMICAL PRO	PERTIES					
 Ph	Physical Data							
	Vapor Pressure	2	: Níl					
	Vapor Density		: >1 (Air-1.0)					
	<pre>% Volatiles</pre>		: Nil					
	Evaporation Ra	ite	: Nil					
	Solubility in	Water	: Insoluble					
	Odor		: Petroleum Hydro	carbon (mild)).			
	Form	:	: Liquid.					
	Color	:	Brown (light).					
	Specific Gravi	.ty :	: 0.87-0.88 @ 60	F (16 C)				
	Density		: 7.31 - 7.34 lb/ga	1 @ 60 F (16	C)			
10.	STABILITY AND	REACTIVITY	*****			·		
Pol	Normal combust produce carbon lymerization Polymerization	ion forms of monoxide.	carbon dioxide; i	ncomplete com	nbustion may			
11.	TOXICOLOGICAL	INFORMATION	1					
Ani	imal Data Mouse skin pai petroleum dist not caused ski "USED" Motor C Laboratory stu applied repeat the "Used" mot	nting studi illates sim n tumors. il - dies with m edly to the or oil was	les have shown the milar to ingredies nice have shown the skin caused-skin not removed betwee	at highly sol hts in this p hat "Used" mo h cancer. In een applicati	vent-refined broduct have btor oil h these studi	es,		
12.	ECOLOGICAL INF	ORMATION	· • • • • • • • • • • • • • • • • • • •					
Êcc	no specific ac	Informatior	available for th	is product.				
13.	DISPOSAL CONSI	DERATIONS		F=				
Was	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 sh promptly shipp	ould be com ed to the s	mpletely drained, supplier or a dru	properly bur n recondition	nged, and Nor. All oth	er:		

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Lubricants - Material and Safety Data Sheets

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

© Conoco Inc., 2000 All rights reserved Legal. Privacy, and Security Notices.

District I - (505) 393-6161New MexicoP.O. Box 1980Energy Minerals and Natural Resources DepartrHobbs, NM 88241-1980Energy Minerals and Natural Resources DepartrDistrict II - (505) 748-1283Oil Conservation Division2040 South Pacheco StreetImage: Street StreetIntesia, NM 88210Santa Fe, New Mexico 87505Intesia, NM 88210S	Form C- Originated &
Istrict II - (505) 748-1283 Oil Conservation Division II S. First 2040 South Pacheco Street Itesia, NM 88210 2040 South Pacheco Street Intesia, NM 88210 Santa Fe, New Mexico 87505 Intesia, NM 87410 Conservation Division	
Lesia, NM 88210 2040 South Pacheco Street "trict III - (505) 334-6178 Santa Fe, New Mexico 87505 "Rio Brazos Road (505) 827-7131 c, NM 87410 The second se	
Control Santa Fe, New Mexico 87505 En P Rio Brazos Road (505) 827-7131 Oil 0 →cc, NM 87410 Control Control	AT U D LUUL Submit Or Plus L
<i>⊷</i> c, NM 87410	Conservation Division to appro
triet IV - (505) 827-7131 EnV . UN:	Uistrict (
REQUEST FOR APPROVAL TO ACCEPT SOLID WA	
1. RCRA Exempt: Non-Exempt: X	
Verbal Approval Received: Yes No S. Origin Envirotech Soil Remedia. -	nating Site >J 31-6 # 208
2. Management Facility Destination Facility Landfarm #2 6. Transp 5796 US Highway 64	porter Paul & Sous
3. Address of Facility Operator Farmington, NM 87401 8. State	Bund Manaico
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	ecessary chemical analysis to
PROVE the material is not-hazardous and the Generator's certification of origin. No	waste classified hazardous by
isting of testing will be approved.	
All transporters must certify the wastes delivered are only those consigned for transport.	
	· _1
New and Used (ube all @ a chronic leak an a c	compressor wort
Nue and Used (ube all @ a chronic leak an a c	oupressor white
New and Used (ube all @ a chronic leat an a c	compressor unit
New and Used (ube all @ a chronic leat an a c	APR non
New and Used (ube all @ a chronic leat an a c	APR 2002
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Num and Ugad (ube all @ a chronic leat an a c	APR 2002 APR 2002 CALCON WW DIST. 3 Of the haul) cy
Num and Ugad (ube all @ a chronic leak an a c Estimated Volume cy Known Volume (to be entered by the operator at the end SIGNATURE: TITLE: Landfarm Manager Waste Management FacilityAuthorized Agent	$\frac{APR}{2002}$
Estimated Volume cy Known Volume (to be entered by the operator at the end SIGNATURE:	APR 2002 APR 2002 APR 2002 CM CON BW DWT. 3 OF the haul) cy DATE: <u>4.30.62</u> 505-632-0615
Signature:	$\frac{APR}{2002}$
Num and Used (ube all @ a chronic leak an a c Estimated Volume (to be entered by the operator at the end SIGNATURE:	$\frac{APR}{2002}$
Stimated Volume Cy Known Volume (to be entered by the operator at the end SIGNATURE: Cy Known Volume (to be entered by the operator at the end SIGNATURE: TITLE: Landfarm Manager Waste Management FacilityAuthorized Agent TYPE OR PRINT NAME: TELEPHONE NO (This space for State Use)	$\frac{APR}{2002}$
Num and Used (ube all @ a chronic leak an a c istimated Volume cy Known Volume (to be entered by the operator at the end ilGNATURE: <u>Aulantworker</u> TITLE: <u>Landfarm Manager</u> Waste Management FacilityAuthorized Agent YPE OR PRINT NAME: <u>Harlan M. Brown</u> TELEPHONE NO (This space for State Use)	APR 2002 $APR 2002$ $CA OCN DW CONTRACTOR CONTRACTOR$
Stimated Volume cy Known Volume (to be entered by the operator at the end SIGNATURE: Known Volume (to be entered by the operator at the end SIGNATURE: Waste Management FacilityAuthorized Agent YPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO (This space for State Use) APPROVED BY: Known Kent TITLE: Know Kent TITLE: Know Kent TITLE: Know Kent KentKent	$\frac{APR 2002}{CL OCN DW} = 0$
Signature: Waste Management FacilityAuthorized Agent YPE OR PRINT NAME: (This space for State Use) APPROVED BY: May Active May Activ	$\frac{APR 2002}{CR OCN BW}$

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ARY E. JOHNSON			JENNIFER A. SALIS
GOVERNOR		· .	CABINET SECRET
CERTIFI	CATE O	F WASTE STA	TUS 4.22.
1. Generator Name and Address: ComPRESSOR SYSTEMS	INC	2. Destination Name: ENVIROTECH INC 5796 US HWY 64	-
RIDDA 1006		FARMANGTON N.M.	EMLAN 1
_Attach list of originating sites as appror			·
A F A A A A A A A A A A A A A A A A A A			
4. Source and Description of Waste NEW & USED OAL FRO YEARS	om Deffera	VT OIL LEAKS OVER	2 A COUPLE OF
4. Source and Description of Waste NEW & USED OBL FR. YEARS	om DEFFERA	NT OIL LEAKS OVEN	2 A COUPLE OF
4. Source and Description of Waste NEW & USED OBL FR. YEARS Chauge Ray (Print	Name)	VT OJL LEAKS OVEN	2 A COUPLE OF representative for:
4. Source and Description of Waste NEW & USED OBL FR. YEARS <u>COMPRESSOR</u> <u>SYSTEMS</u> iccording to the Resource Conservati 988, regulatory determination, the at	Name) <i>Two</i> bove described w	Act (RCRA) and Environment aste is: (Check appropriate classif	 A COUPLE OF representative for: do hereby certify that, Frotection Agency's July, Ication)
4. Source and Description of Waste NEW & USED OBL FR. YEARS <u>COMPRESSOR</u> <u>SYSTEMS</u> iccording to the Resource Conservati 988, regulatory determination, the at EXEMPT oilfield waste	Name) S <u>INC</u> bove described w X NON-EXEMP analysis or b	Act (RCRA) and Environment aste is: (Check appropriate classif T oilfield waste which is non- y product identification	 A COUPLE OF representative for: do hereby certify that, al Protection Agency's July, Ication) hazardous by characteristic
4. Source and Description of Waste NEW & USED OBL FR. YEARS Phatean Ray (Print <u>Comparesson</u> <u>SySTems</u> iscording to the Resource Conservati 988, regulatory determination, the at EXEMPT oilfield waste nd that nothing has been added to th	Name) S <u>INC</u> ion and Recovery bove described w NON-EXEMP analysis or b is exempt or non-	Act (RCRA) and Environment aste is: (Check appropriate classif T oilfield waste which is non- y product identification exempt non-hazardous waste	 A COUPLE OF representative for: do hereby certify that, rotection Agency's July, leation) hazardous by characteristic defined above.
4. Source and Description of Waste NEW & USED OBL FR. YEARS PALLER RAY (Print <u>COMPACESSOR</u> <u>SYSTEM</u> Source Conservati 988, regulatory determination, the at EXEMPT oilfield waste MSDS information X RCRA Hazardous Wa X Chain of Custody	Name) S INC ion and Recovery bove described w NON-EXEMP analysis or b is exempt or non- ving documentations ste Analysis	Act (RCRA) and Environment aste is: (Check appropriate classif T oilfield waste which is non- y product identification exempt non-hazardous waste on is attached (check appropri Other (description)	 A COUPLE OF representative for: do hereby certify that, fal Protection Agency's July, leation) hazardous by characteristic defined above. ate (tems): on);

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:	QA/QC	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	e.e. Method	Detectio	on all Sample	e Al-ADuplicate	1. 1 . 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Acceptance
Arconic	ND	ND		0.026	0.026		
Arsenic	DM	טא	0.001	0.030	0.030	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

	•	CHAIN OF CUS	TODY RECORD	09887
Client / Project Name		Project Location CST SJ. 31-6 # 200	ANALYSIS / PAR	AMETERS
Sampler: Sandyr Baca		Client No. 93212-006	ی. of فیامودج روس (ح	Remarks
Sample No./ Sample S Identification Date	ample Time	Lab Number Matrix	Nc Cont کرچ	
Lubeoil Soil 4.22.02 13	S:00	225B1 Soil	}	
				1
Relinquished by: (Signature)		Date Time I	Received by: (Signature)	Date lime כאל אין איז
Reimquished by: (Signature)			Received by: (Signature)	
Relinquished by: (Signature)			Received by: (Signature)	
		FOUIDOT	FCH INC	Sample Receipt
				Y N N/A
		5796 U.S.	Highway 64	Received Intact
		(505) (505)	88 INTEXICO 07 401	Cool - Ice/Blue Ice

, . . .

- - - - I. 43

rces Department ion MAR 0 4 2002 t Environmental Bureau Oil Conservation Division Env. JN: <u>98059-009</u> Form C-138 Originated 8/8/9 Submit Origina Submit Origina Plus 1 Cop to appropriat District Offic
T SOLID WASTE
4. Generator Compression
5. Originating Site SJ 30-6
6. Transporter Essuivated
8. State New Humpico
"K" Sec 24, TBON, R7W
Ris Arrobba Comby Day
FEB 2002 RECEIVED CALCOM. DIV DIST. 3
Manager DATE: <u>こここの</u>
Derator at the end of the haul)
Derator at the end of the haul) cy <u>Manager</u> DATE: <u>こと-28.82</u> _EPHONE NO. 505-632-0615



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 compression INC.	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 T30N B711)
	Rin Auriban Could Du
	with the state of
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
MOTOR OIL - Cow Ricker op	value on new (maco EL Mar 3000)
motoroil storage teals,	Soll contom, acted are and Star experiel2
۰ م ۱	HUR
1. Jim Lewis	representative for:
(Print Name)	
UNIVERSAL COMPRESSION	do hereby certify that,
according to the Resource Conservation and Reco	very Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above describe	Waste IS. (Check appropriate classification)
EXEMPT oilfield waste	EMPT 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.
F BION EVENDE	the is standed (shade successive terms).
For NUN-EXCIVIP I waste the following documer	Attached (check appropriate items):
BCRA Hazardous Waste Analysis	
Chain of Custody	
This waste is in compliance with Regulated Levels o	of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.	· · ·
many second s	
	TV.
Name (Original Signature):	Lers &
Tister ARIA C. Darisant	
HILE: MILLA JUYEN NOR	

Date: 6-28-01

Ň

ay~15-01 04:07pm From-UNIVERSAL COMPRESSION	5053255027	T-233 P.02/09
(conoco)		
· ·		
MOTC0070	Revised 26-NOV-1998	Printed 8
EL MAR 300	0 ENGINE C	DIL
CHEMICAL PRODUCT/COMPANY IDENT	IFICATION	
Material Identification "EL MAR" is a registered tradema	ark of Conoco.	
Grade 30, 40), 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	2	
PHONE NUMBERS Product Information 1-281-2 Transport Emergency CHEMTRE Medical Emergency 1-800-4	293-5550 IC 1-800-424-9300 I41-3637	
COMPOSITION/INFORMATION ON INGR	EDIENTS	
Components Materíal	CAS Number	٠ ۲
Highly refined base oils		>80
	`	<20
Proprietary additives	······································	
Proprietary additives	ure 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 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 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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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	:	No
Reactivity	:	No
Pressure	:	NO

SARA, TITLE III, 313

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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.

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, NPCA-HMIS					
Health	0				
Flammability	1				
Reactivity	D				
NPCA-HMIS Rating					
Health	1				
Flammability	1		7		
Reactivity	0		·		
Personal Protection conditions,	rating to	be supplied	by user	depending	on use
					Continue

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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.

 CONSUS COORDINATOR CONSCS INC. PO Box 2197 Houston, TX 77252 1-281-293-5550 	
	S : 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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Diarrier I., (505) 393-6161	RECENTED CHEVE CH
P.O. Box 1980	Form C-13
Hobbs, NM 88241-1980 Energy Minerals and Natural Resource	MAR 0 4 2002
811 S. First	Environmental Burgare Sub-u O
Artesia, NM 88210 ZU4U SOULT PACTECO SUFECT	Oil Conservation Division Plus I Con
Rio Brazos Road (505) 827-7131	to appropria
L.c, NM 87410	Env. JN: 98059-009
REQUEST FOR APPROVAL TO ACCEPT	SOLID WASTE
1. RCRA Exempt: Non-Exempt: X	4. Generator Composition
Verbal Approval Received: Yes 🗋 No 🔀	5. Originating Site Sス.29-7-552
2 Management Facility Destination Envirotech Soil Remedia.	6. Transporter Environment
3 Address of Facility Operator 5796 US Highway 64	8 State
7. Leasties of Material (Street Address or III STP)	""" Sec. 12, 779A) R 7W
7. Location of Material (Street Address of ULSTR)	
9. <u>Circle One</u> :	Kio Arrobba County, Nal.
A. All requests for approval to accept olitield exempt wastes will be acco	impanied by a certification of waste from the
Generator; one certificate per job.	manied by personal chamical analysis to
PROVE the material is not-bazardous and the Generator's certification	n of origin. No waste classified bazardous by
listing or testing will be approved.	Tel engine the maete elabsided hazardous by
All transporters must certify the wastes delivered are only those consigned	for transport.
BRIEF DESCRIPTION OF MATERIAL	
Clean up of a compressor oil s	sill.
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	But A BAR
	FEB 2002
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	CILCON DIV
	DIST. 3 OF
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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 Man TITLE. Landfarm Ma	nager DATE: 02.27.02
Waste Management FacilityAuthorized Agent	DATE
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

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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:	2. Destination Name:
RILLA MARINESSICA PACE,	Envirotech Soil Remediation Facility
	Landarm #2
FAAm, instan, NM 87401	HIILOP, New Mexico
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
SAN JUAN 29-7-552	"N" See 12, TZAN R 7W
	Ria Aurihhre Com A.
	into territoria anticia.
Attach list of originating sites as appropriate	
4. Source and Description of Waste	atran in at composed oil ()er.
Compressore die is Eine one	
Ser (contand	atton around Confirmer
•	
1 2 2 3 5	and the second
Print Name)	representative for:
UNIVERSAL COMPRESSION TUC,	do hereby certify that
according to the Resource Conservation and Rec	covery Act (RCRA) and Environmental Protection Agency's July
1988, regulatory determination, the above descri	ibed waste is: (Check appropriate classification)
EXEMPT oilfield waste	EXEMPT oilfield waste which is non-hazardous by characteristic
analys	sis or by product identification
	- · · · · · · · · · · · · · · · · · · ·
and that nothing has been added to the exempt of	or non-exempt non-hazardous waste defined above.
For NON-EXEMPT waste the following docum	nentation is attached (check appropriate items):
MSDS Information	Other (description):
RCRA Hazardous Waste Analys	is
Chain of Custody	
This waste is in compliance with Regulated Levels	s of Naturally Occurring Radioactive Material (NORM) pursuan
to 20 NMAC 3.1 subpart 1403.C and D.	
	5/
Name (Original Signature).	IN 8
THE ARA SOURCE	
THE: THEFT DUP-AVISOR	
Date: 1. 28-01	

(-15-01 04:07pm From-U	INIVERSAL COMPRESS	ION .	5053255027	T-233	P.02/09	F-846
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	6		ATERIAL SA	ETY DA	TAS	HEET
OTC0070		R	evised 26-NOV-1998	PI	rinted 8-J	AN-19
E		3000	ENGINE	OIL		
Material Identi	fication	I DENTIFIC	AIION			
"EL MAR" is a	registered	trademark	of Conoco.			
Grade	<u> </u>	30, 40, 1	5W-40			
Product Use Natural Gas E	ngine Oil					
Tradanamor and	Synonyms	Base Code	\$			
7513, 7514, 7						
Company Identif MANUFACTURER/	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1	ic. 197 X 77252		e.		
PHONE NUMBERS Product Info Medical Emer	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, 1 ormation mergency rgency	10. 2197 7X 77252 1-281-293-5 CHEMTREC 1 1-800-441-5	5550 -800-424-9300 3637	ι		
PHONE NUMBERS PHONE NUMBERS Product Info Transport Ed Medical Emer	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, T Dormation mergency rgency	1-281-293-5 CHEMTREC 1 1-800-441-5	5550 -800-424-9300 3637 -NTS	L		
PHONE NUMBERS PHONE NUMBERS Product Info Transport Ed Medical Emer OMPOSITION/INFO	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, T Dormation mergency rgency	1-281-293-5 CHEMTREC 1 1-800-441-5	5550 -800-424-9300 3637 INTS	د 		
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PHONE NUMBERS PHONE NUMBERS Product Info Transport Ed Medical Emer OMPOSITION/INFO Components Material Highly refined	ication DISTRIBUTOR Conoco, Ir P.O. Box 2 Houston, I ormation mergency rgency ORMATION C	1-281-293- CHEMTREC 1 1-800-441- N INGREDIE	5550 -800-424-9300 3637 INTS CAS Numbe	د ۲ % >80		

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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)
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

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 Hating Health	0			
Flammability	1	,		
Reactivity	Ø			
NPCA-HMIS Rating	· 1			
Flammability	i			
Reactivity	0			
Personal Protection conditions.	rating to be	supplied by u	iser depending of	n 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 Address > > Telephone	for MSDS	: MSDS Coordinator : Conoco Inc. : PO Box 2197 : Houston, TX 77252 : 1.281.293-5550
letebuoue		: 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			
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State ji an Mapico			
7. Location of Material (Street Address or ULSTR)	NENE Sec (B, T3IN, RGW SAN Juan County NW			
9. <u>Circle One</u> : A All requests for approval to accept oilfield exempt wastes will be acce	omnanied by a certification of waste from the			
 Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be according PROVE the material is not-hazardous and the Generator's certification listing or testing will be approved. 	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	I for transport.			
BRIEF DESCRIPTION OF MATERIAL:				
New lube oil appet @ loose Fi	FEB 2002 RECEIVED ONLOON.DIV DIST. 3			
Estimated Volume (O cy Known Volume (to be entered by the ope	rator 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: ENVIROTECHIENC. LANDFAREN #2 5796 45 HWY69 Hilltop, NG. Farminton NM
BLOOMFIELD NM 87413	87401
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
NEBY 438 (UNIT # 404408)	
1210' FNL - 1245 FEL ; SECTION	18: TOUL SHIP TO DETAIL TO LET A ST
54	N JUAN COUNTY NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste	•
COMPRESSOR OIL WHICH LEAKE	D OUT BY MEANS OF A FUND
O-RING D'THAT REPTURED and	A SCHETHING OF A FICTER
	A SCHEDULED MAINTEN ANCE AFTER
Real OWED GROUND	THE OLL WAY CONTAINED BUT SOME
I. DAVE RAEL (Print Name) <u>COMPRESSOR SYSTEMS</u> INC. according to the Resource Conservation and Recover 1988, regulatory determination, the above described EXEMPT oilfield waste NON-EXEM	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
analysis or	by product identification
and that nothing has been added to the exempt or no	mexempt non-hazardous waste defined above
and the mouning has been added to the exempt of no	
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):	Rael
Title: MAINTENANCE SUPERINTENDE	JT

23 W49I:80 I002 22 'Rew

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Date:

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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 PA Chemical Name: DISTILLATES CAS64742547 >	RA , HYDROTREATED 80.00%	HEAVY PARAFFINIC 5 mg/m3 (mist) 10 mg/m3 (mist) 5 mg/m3 (mist)	ACGIH TWA ACGIH STEL OSHA PEL				
ADDITIVES	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

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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 eye 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 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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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

ECOTOXICITY:

(Group 2B).

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

SARA 311 CATEGORIES:	l. Immediate (<i>1</i> 2. Delayed (Chr	Acute) Health Effects: ronic) Health Effects:	NO NO
	Fire Hazard:	:	NO
	4. Sudden Relea	ase of Pressure Hazard	I: NO
	5. Reactivity H	Hazard:	NO
REGULATORY LISTS SEAR	CHED:		
01-010 212			5(2)(2)

OT-DUVY 212	II-NO KIK	22-13CA BELL 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect l2(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
С	- 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 New Mexico	Form C-138
Hobby, NM 88241-1980 Energy Minerals and Natural Resour	ces Department Originated 8/8/9
Oil Conservation Divisi	on
Artesia, NM 88210 2040 South Pacheco Street	Submit Origina Plus L Com
Utict III • (505) 334-61/8 Santa Fe, New Mexico 8/50 P Rio Brazos Road (505) 027 7121	to appropriat
(505) 827-7131	District Office Env. JN: <u>07038</u> -00
REQUEST FOR AFFROME TO AUOLI	Comprossor Systems
1. RCRA Exempt: 🛄 Non-Exempt: 🔀	4. Generator (plc.)
Verbal Approval Received: Yes 🔲 No 🔀	5. Originating Site Clarco 456
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Paul & Sons
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Hum Waspica
7. Location of Material (Street Address or ULSTR)	NWNE Sec 26, T31N, R7W
9. <u>Circle One</u> :	
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-bazardous and the Generator's certification	ompanied by necessary chemical analysis to
listing or testing will be approved.	Shot origin. No waste classified flazardous by
All transporters must certify the wastes delivered are only those consigne	d for transport.
BRIEF DESCRIPTION OF MATERIAL:	
USED (ube oil up set @ a b	vokan time,
	10°11°10°
	Sy wind 13th
	FEB 2002
	RECEIVED E
	CH COLOON DIV
	LIBI. 3
	2202129252V
Estimated Volume	erator at the end of the houl
	cy
SIGNATURE: floren Du Versen TITLE. Landfarm M	
Waste Management FacilityAuthorized Agent	
TYPE OR PRINT NAME: Harlan M. Brown TEL	EPHONE NO
	(
(This space for State Use)	505
APPROVED BY: A Ferry feer TITLE: FAVM	<u>DATE: 02/14/02</u>
APPROVED DVG /// Call	unter Coesteres and a las



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: Compress 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 TWEST; T 1340 FEET FNL; 1105 FEET FE Attach list of originating sites as appropriate	TOWNSHIP 31 NORTH; COUNTY SON JUAN ZL
	·
LINE ON COMPRESSOR AND ME	O BY. MEANS OF A BROKEN DIL
RAN ONTO GROUND	ST WAS CONTRINED 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	do hereby certify that, ry Act (RCRA) and Environmental Protection Agency's July, waste is: (Check appropriate classification)
EXEMPT oilfield waste V NON-EXEM	APT 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):	RM

Title:	MAINTEN	ANCE	SUPER, NTENPENT
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21 Date: 102 <u>ر</u>م

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)
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 walters 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 Repor	ted:	02-07-02			
Laboratory Number:		22005		Date Sampl	ed:	N/A			
Sample Matrix:		Soil		Date Receiv	ved:		N/A		
Analysis Requested:		Total RCRA	Metals	Date Analyz	zed:		02-07-02		
Condition:		N/A		Date Digest	ed:		02-07-02		
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	. %			
Conc. (mg/Kg)	Blank (mg/L)	Blank	Limit			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	Sample	Spiked	Percent		Acceptance		
Conc. (mg/Kg)		Added		Sample	Recovery		Range		
Arsenic		0.500	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%		
Lead		0.500	4.86	5.32	99.3%	9.3% 80% - 120%			

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/	Received Intact	Cool - Ice/Blue Ice
OF CUSTODY RECORD	A/EBU USS/PARA	o o ainers Aff	Sample XCont Matrix	Soil / /				 Date Time Received by: (Signature)	Received by: (Signature)	Received by: (Signature)			5796 U.S. Highway 64	rarmington, New Mexico 87401 (505) 632-0615
CHAIN	Client / Project Name CS Part & Set 13 Project Location	Sampler: Client No.	Sample No./ Sample Sample Lab Number Identification Date Time Lab Number	NEBU#456 2/162 1530 22006				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	res Department on Submit Original Plus I Copy	
C, NM 87410 (505) 827-7131	Env. JN: 95026	
<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 the wastes of wash by Sacids. 		
TCLP & REAFFIRMATION St	FEB 2002 RECEIVED	
30	DIST. 3 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: Demy famt TITLE: Enviro/Engi DATE: 02/02/02		
APPROVED BY: Mintum Ath TITLE: Environmentel Geogest 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	
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 Day Dolds.		
L	· · · · · · · · · · · · · · · · · · ·	
105 BAUGh	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		