

NM1-011

CONTINUED

C-138

YEAR(S):

2006-1997

District I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
J. S. First
tesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

RECEIVED

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
NOV 18 2002
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131
OIL CONSERVATION
DIVISION

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 02099-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Jw operating</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>WEBU SA</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>Paul & Sons</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>Sec 11, T30N, R9W</i>
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:

*Soil Contaminated with new Pagasas 485 lube oil
MSDS attached*



Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 8-12-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Denny Feint* TITLE: *Enviro/Engl* DATE: *11/14/02*
APPROVED BY: *Matys J. [Signature]* TITLE: *Environmental Geologist* DATE: *11/18/02*

11802-1



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: JW Operating 2405 B Southside River Rd. Farmington, N.M. 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): NEBU 5A Town Ship 30N R 8W Section 11 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Peg 485 new oil.	

I, Max L. Kohn representative for:
(Print Name)

JW Operating 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):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

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

Name (Original Signature): Max L. Kohn

Title: Lead Tech.

Date: 8/12/02

ENTERED AUG 13 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:

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

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

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, O,O-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

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District III - (505) 334-6178
1000 Rio Brazos Road
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District IV - (505) 827-7131

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

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
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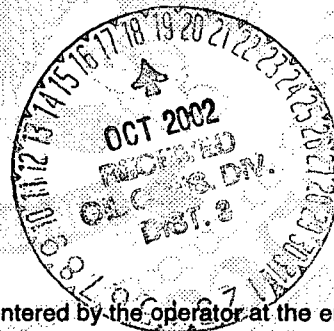
01038-005

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <u>D.F. # 10/7/02</u> <u>8:30am</u>	4. Generator <u>CSI</u>
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>31-6#207</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Hwy 64 Farmington, NM 87401</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>Sec. 6 T30N, R6W NMPM</u>	
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:

Hub oil contaminated soil near compressor.



Estimated Volume 4 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Landrea R. Jackson TITLE: Administrative Assistant DATE: 10/7/02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY: Denny Feunty TITLE: Enviro/Engl DATE: 10/18/02
APPROVED BY: Walter 233 TITLE: Environmental Geologist DATE: 10/22/02



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
(505) 334-6176 Fax (505) 334-8170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: COMPRESSOR SYSTEMS INC 5995 US HWY 64 FARMINGTON N.M. 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 31-6 #207 (UNIT 410108)	Location of the Waste (Street address &/or ULSTR): SECT 6 T.30-N-R-6-W NMPM ENL 1940
Attach list of originating sites as appropriate	
4. Source and Description of Waste SCREW COMPRESSOR BROKE OIL LINE DRAINING OIL ONTO GROUND. CONTAMINATING ABOUT 4 YARDS OF DIRT.	

I, PHILIP RAY representative for:
(Print Name)
COMPRESSOR SYSTEMS INC 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

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

☐ Other (description):

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): Philip Ray

Title: LEAD SERVICE TECH.

Date: 10/7/02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client: CSI
Sample ID: Grab
Laboratory Number: 23980
Chain of Custody: 10323
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 01038-005
Date Reported: 10-10-02
Date Sampled: 10-08-02
Date Received: 10-08-02
Date Analyzed: 10-10-02
Date Digested: 10-09-02
Analysis Needed: RCRA Metals

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

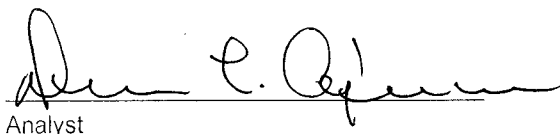
ND - Parameter not detected at the stated detection limit.

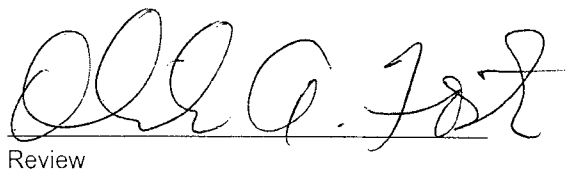
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission 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

Client: QA/QC
Sample ID: 10-10-TM QA/QC
Laboratory Number: 23980
Sample Matrix: Soil
Analysis Requested: Total RCRA Metals
Condition: N/A

Project #: N/A
Date Reported: 10-10-02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-10-02
Date Digested: 10-09-02

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.012	0.012	0.0%	0% - 30%
Barium	ND	ND	0.001	1.91	1.90	0.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

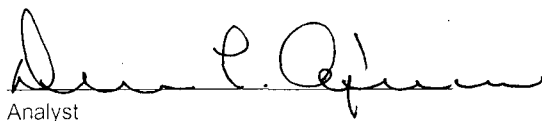
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.012	0.511	99.8%	80% - 120%
Barium	0.500	1.91	2.40	99.6%	80% - 120%
Cadmium	0.500	ND	0.498	99.6%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.002	0.501	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.007	0.506	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

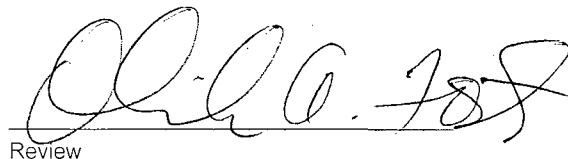
ND - Parameter not detected at the stated detection limit.

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 Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 23980 - 23981.


Analyst


Review

10325

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

District I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
J. S. First
tesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
ec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 98059-22

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Universe Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Rattlesnake #101</u>
2. Management Facility Destination <u>Envirotech Soil Remed. Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	"F" Sec 32, T32N, R8W <u>Sandoval County NM</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Clean up of a chronic lube oil leak
Total materials analysis attached



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-23-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Engl DATE: 10/18/02
APPROVED BY: Mark G. G. G. TITLE: Environmental Geologist DATE: 10/22/02

2-2022201



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

98059-22
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: 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): RATTLE SHAKE #101 Canyon	Location of the Waste (Street address &/or ULSTR): "F" Sec 32, T32N, R8W SAN JUAN COUNTY NM.
Attach list of originating sites as appropriate	
4. Source and Description of Waste: Clean up of a used oil chronic leak on a Compressor Skid. Lubricant contaminated soil.	

I, Phil NAGEL representative for:
(Print Name)
Universal Compression 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
☐ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☒ Other (description): Total Metals
Analysis

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): [Signature]

Title: Supervisor

Date: 8-23-02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

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.

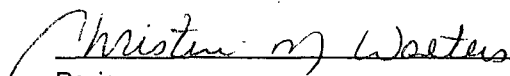
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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


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:	03-19-TM QA/QC	Date Reported:	03-19-02
Laboratory Number:	22285	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-19-02
Condition:	N/A	Date Digested:	03-19-02

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.077	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%

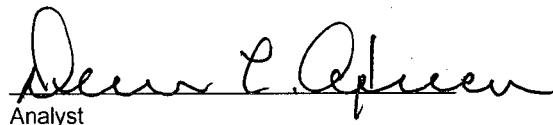
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.077	0.575	99.7%	80% - 120%
Barium	0.500	5.68	6.15	99.5%	80% - 120%
Cadmium	0.500	0.070	0.569	99.8%	80% - 120%
Chromium	0.500	1.66	2.15	99.5%	80% - 120%
Lead	0.500	3.88	4.37	99.8%	80% - 120%
Mercury	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%

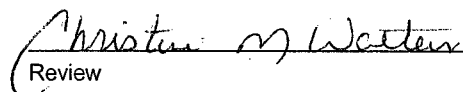
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References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

Comments: QA/QC for sample 22285.


Analyst


Review

09852

[illegible]

District I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
J. S. First
tesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
cc, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 02099-002

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator JW OPERATING
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Scott #1
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Paul & Sons
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	"K" Sec (B, T30N, R1W
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Lube oil contaminated Soil.



Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9.16.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Jerry Feunt TITLE: Enviro/Engr DATE: 10/18/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 10/22/02

5-202201



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: JW Operating Power 2405 B Southside River Road Farmington, N.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, R11W. San Juan County N.M.
Attach list of originating sites as appropriate	
4. Source and Description of Waste Lube oils	

I, Max L. Kohn representative for:
(Print Name)

JW Operating 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):

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

Name (Original Signature): Max L. Kohn

Title: Lead Technician

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

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

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, O,O-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

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J. S. First
Albuquerque, NM 88210
Office III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Office IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

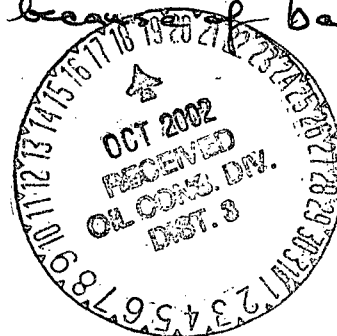
93212-05
Env. JN: 01638-00

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Compressor System Inc.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>NE Blanco Unit 440</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Son</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>"A" Sec 11, T31N, R7W.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

New Compressor oil spilled on ground because of bad
Filter o-ring.
MSDS attached



Estimated Volume 10cy cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 08.11.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Fent TITLE: Enviro/Engr DATE: 10/18/02
APPROVED BY: Monty J. H. TITLE: Environmental Geologist DATE: 10-22-02

4-20-22-01



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: COMPRESSOR SYSTEMS INC P.O. Box 1886 BLOOMFIELD NM 87413	2. Destination Name: ENVZROTECH INC
3. Originating Site (name): NORT EAST BLANCO UNIT 440 1156' ENL - 903' FEL SEC 11-T31N-R7W	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste NEW COMPRESSOR OIL DRAINED ON GROUND FROM OIL FILTER ORING FAILER	

I, Phyllis RAY representative for:
(Print Name)

COMPRESSOR SYSTEMS INC 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):
☐ 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): Phyllis Ray

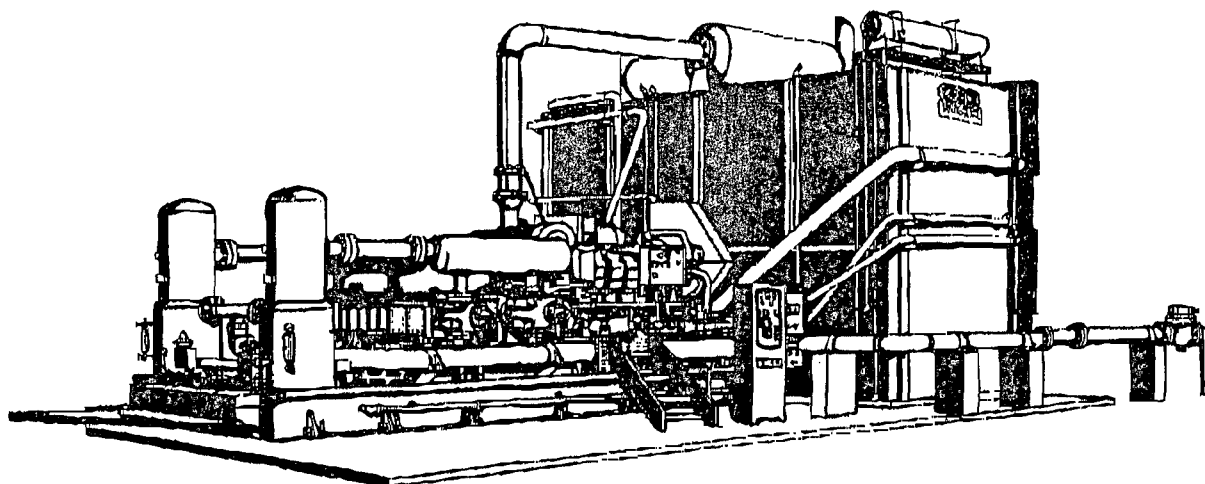
Title: LEAD SERVICE TECH

Date: 4/11/02

May, 23 2001 08:16AM P3

FAX NO. :

FROM :



Facsimile Transmittal Compressor Systems, Inc.

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

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

Message:

Moming 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 Oils SAE 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

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
Emergency Information Centers
are located in U.S.A.
Int'l collect calls accepted

PRODUCT 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
		5 mg/m3 (mist)	OSHA PEL

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.

ADDITIVES INCLUDING THE FOLLOWING

< 25.00%

ZINC ALKARYL DITHIOPHOSPHATE

Chemical Name: ZINC ALKARYL DITHIOPHOSPHATE

CAS54261675

< 1.50%

NONE

NA

COMPOSITION COMMENT:

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. 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:

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

file:///C:/My Documents/Master MSDS Folder/Chevron HDAX Low Ash Gas Engine.txt

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

PERSONAL PROTECTIVE EQUIPMENT**EYE/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

BOILING POINT: NDA

FREEZING POINT: NDA

MELTING POINT: NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.88 @ 15.6/15.6C

EVAPORATION RATE: NA

VISCOSITY: 11.0 - 14.4 cSt @ 100C (min.)

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

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 components.

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on an evaluation of the data for the components.

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on an evaluation of the data for the components.

ADDITIONAL TOXICOLOGY INFORMATION:

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

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). Several (ZDDPs) have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. See Chevron Material Safety Data Sheet No. 1793 for additional information on used motor oil.

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

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
DOT 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

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=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.

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

OSHA RATINGS: Health 1; Flammability 1; Reactivity 0;

file:///C:/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
published evaluations prepared by the National Fire Protection
Association (NFPA) or the National Paint and Coating Association
(for 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
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 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
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

District I - (505) 393-6161
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obbs, NM 88241-1980
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tesia, NM 88210
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Rio Brazos Road
cc, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 01038-004

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>CSE</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Dewan Energy</u> <u>NEBU 438</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Highway 64</u> <u>Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) <u>"J" Sec 8, T30N, R1W</u>	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

USED tube oil contaminated soil.
Total Material Attached

Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9.24.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Feant TITLE: Enviro/Eng DATE: 10/10/02
APPROVED BY: Patricia J. K. TITLE: Environmental/Geddy DATE: 10/21/02

10210201

FROM :

FAX NO. :

Apr. 16 2001 03:05PM P2



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178 Fax (505) 334-61

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

01038.004

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>CSI</i> <i>5895 U.S. Hwy 64</i> <i>Farmington N.M.</i>	2. Destination Name: <i>Envirotech</i>
3. Originating Site (name): <i>Devon: Nebd. 438</i> <i>Compressor Location</i>	Location of the Waste (Street address &/or ULSTR): <i>Section 8</i> <i>Range 2W</i> <i>Township 30R</i> <i>FSL 1380</i> <i>FWL 1850</i>
Attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Used Screw NGP 150 Chevron</i>	

I, *Jeff Goossen* representative for:
(Print Name)

CSI 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):

☐ 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): *Jeff Goossen*

Title: *Maintenance Superintendent*

Date: *9-24-02*

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 26, 2002

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

Phone: (505) 486-2812

Job No.: 01038-004

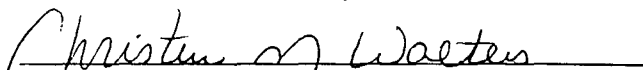
Dear Mr. Ray,

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.


Christine M. Walters

Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/CSI.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	CSI	Project #:	01038-004
Sample ID:	Devon Energy 438	Date Reported:	09-25-02
Laboratory Number:	23870	Date Sampled:	09-23-02
Chain of Custody:	10253	Date Received:	09-23-02
Sample Matrix:	Soil	Date Analyzed:	09-25-02
Preservative:	Cool	Date Digested:	09-25-02
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.004	0.001	5.0
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.

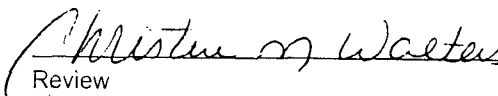
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission 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


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:	09-25-TM QA/QC	Date Reported:	09-25-02
Laboratory Number:	23870	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	09-25-02
Condition:	N/A	Date Digested:	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%

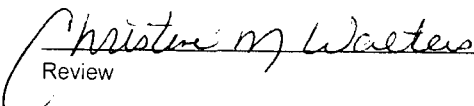
ND - Parameter not detected at the stated detection limit.

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 Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 23870.


Analyst


Review

CHAIN OF CUSTODY RECORD

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

District I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
J. S. First
tesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
ec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

01038 CSI
Env. JN: 93212 Paul & Sons

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>CSI</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>EPFS ZC-15</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>NW 4 Sec 33; T24N R26W</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Clean of new lube oil upset
as SDS attached



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6.10.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Zent TITLE: Enviro/Engr DATE: 10/10/02
APPROVED BY: Patricia Kelly TITLE: Environmental Geologist DATE: 10/21/02

102102-3



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 <i>Compressor Systems Inc.</i> <i>P.O. Box 1886 Bloomfield N.M.</i> <i>87415</i>	2. Destination Name: <i>ENVIROTECH INC</i> <i>5790 U.S. HWY 64</i> <i>FARMINGTON N.M. 87401</i>
3. Originating Site (name): <i>El Paso Compressor site 2C-15</i>	Location of the Waste (Street address &/or ULSTR): <i>N/W. 4 SECT 33 T24N R2W</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Screw Compressor oil Chevron NGP-150</i> <i>OIL FILTER ORING FAILED DRAINING OIL OUT OF SCREW COMP.</i> <i>APPROX. 300 GALLONS ON GROUND</i>	

I, Jeff Johnson representative for :
Print Name

Compressor Systems Inc. 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)
☐ 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): Jeff Johnson

Title: Maintenance Superintendent

Date: 6-10-02



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

ADDITIVES

< 20.00%

COMPOSITION COMMENT:

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

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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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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 eye protection is normally required Where splashing is~~

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CHEVRON HDAX NG Screw Compressor Oil

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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 - 136 cSt @ 40C (Min.)
PERCENT VOLATILE	
(VOL):	NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Revision Number: 0

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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

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=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 Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

CHEVRON HDAX NG Scr Compressor Oil

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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
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.

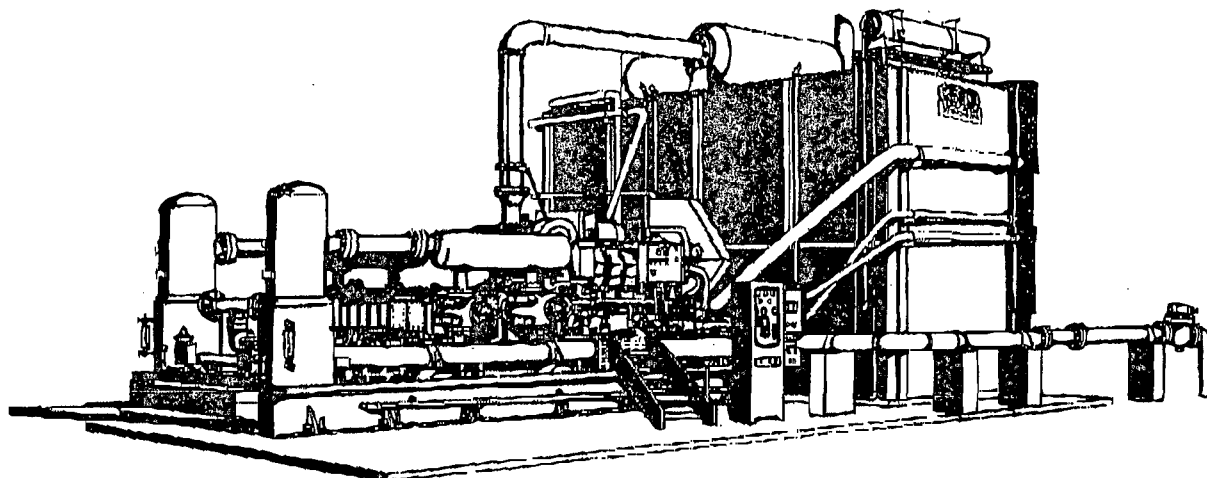
THIS IS THE LAST PAGE OF THIS MSDS

Revision Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

X-DOS021 (01-89)



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@compressor-
systems.com

Message:

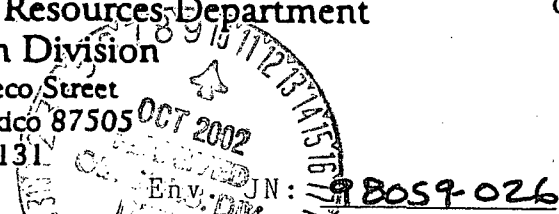
Here is the certificate of waste for a cleanup Sandy with Paul and sons is bringing in. Any questions give me a call

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

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

Form C-138
Originated 8/8/91

Submit Original
Plus 1 Copy
to appropriate
District Office



REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Unwashed Camp.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Conoco 33-1</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>Colorado - New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>SW NW Sec 33 T38N, R8W</u> <u>Capitan Property Co</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Leak oil contaminated Soil, leak to slick and ground.
Unknown Age
MSDS sheet attached.
U.C. Letter & Total Metals attached



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-24-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Faint TITLE: Enviro/Engr DATE: 10/10/02
APPROVED BY: Wally J. Jolly TITLE: Environmental Geologist DATE: 10/21/02



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) 334-6111

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: <i>Enviro tech</i>
3. Originating Site (name): Conoco UTE 33-1 (Southern UTE Reservation) Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Section 33 Township 33 N. A - 8-W 1985 N 5156 La Plata, Co. Latitude N 37° 03.7 Longitude W 107° 43.8 SW 1/4 Sec 33 T33N, R8W.
4. Source and Description of Waste <i>Engine oil leak on to skid and over containment lips onto ground</i> <i>Unknown Age.</i>	

I, Scott Roglin representative for:
(Print Name)
Universal Compression 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
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☐ Other (description):

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

Name (Original Signature): Scott Roglin

Title: Area Supervisor

Date: 5/20/02

MAR-31-1999 10:04

CORSTAL CHEMICAL

505 327 9302 P.12

Hyspeed

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	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components**Material****CAS Number %**

Highly refined base oils >80

Proprietary additives <20

If oil mist is generated, exposure limits apply.

(Continued)

MAR-31-1999 10:04

COASTAL CHEMICAL

505 327 9302 P.13

030241

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

COASTAL CHEMICAL

505 327 9302 P.14

FIRST AID MEASURES(Continued)**Notes to Physicians**

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

FIRE FIGHTING MEASURES**Flammable Properties**

Flash Point

202 C (396 F) (SAE 30)
204 C (399 F) (SAE 40)
193 C (379 F) (SAE 15W-40)

Method

Pensky-Martens Closed Cup - PMCC.

Flash Point

250 C (482 F) (SAE 30)
257 C (495 F) (SAE 40)
229 C (444 F) (SAE 15W-40)

Method

Cleveland Open Cup - COC.

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)

MAR-31-1999 10:05

COASTAL CHEMICAL

505 327 9302 P.15

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 NIOSH-approved 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

(Continued)

MAR-31-1999 10:06

COASTAL CHEMICAL

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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)
5 mg/m3, 8 Hr. TWA

AEL * (DuPont)

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

STABILITY AND REACTIVITY

Chemical Stability
Stable at normal temperatures and storage conditions.

Conditions to Avoid
Heat, sparks, and flames.

Incompatibility with Other Materials
Incompatible or can react with oxidizers.

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

Polymerization
Polymerization will not occur.

TOXICOLOGICAL INFORMATION

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

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

(Continued)

MAR-31-1999 10:06

COASTAL CHEMICAL

505 327 9302 P.17

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

(Continued)

MAR-31-1999 10:06

COASTAL CHEMICAL

505 327 9302 P.18

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**

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating

Health	1
Flammability	1
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(Continued)

MAR-31-1999 10:07

COASTAL CHEMICAL

505 327 9302 P.19

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

Transmission Report

Date/Time
Local ID
Local Name
Company Logo

5-20-02; 3:07PM
5056321865
5053350246
ENVIROTECH

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

envirotech memo/fax

to: Fran - Ray Brown
company: So. Utah Environmental Programs
fax #: 910-563-0384
re: Spill clean up - Soil Profile
date: 5.20.02
pages: _____ (including cover page)
project: Conoco 33-1
cc: _____

comments...

FRAN:
Universal Compression has requested that Envirotech
clean up soil contaminated by a Oltromic lube oil leak.
We have the crew collect a soil sample for total metals
analysis when they clean up the site.
Location is @ 34N44 Sec 33, T 33N R 8W.
Thank you,
Hansen

from the desk of... Hansen W. Brown

envirotech inc.
5796 us highway 64
farmington, n. m. 87401
505.632.0615
505.632.1865 fax

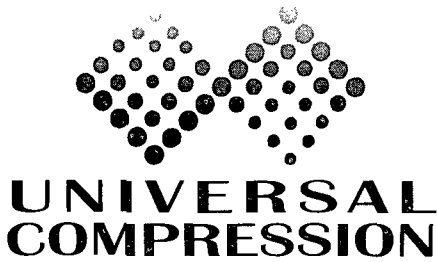
this information is intended for the individual above and is confidential. if you have received this facsimile in error, please call the number listed above. thank you.

Total Pages Scanned : 10 Total Pages Confirmed : 10

No.	Doc	Remote Station	Start Time	Duration	Pages	Mode	Comments	Results
1	45	19705630384	5-20-02; 3:03PM	4'02"	10/ 10	EC		CP 14.4

Notes :

EC: Error Correct	RE: Resend	PD: Polled by Remote	MB: Receive to Mailbox
BC: Broadcast Send	MP: Multi-Poll	PG: Polling a Remote	PI: Power Interruption
CP: Completed	RM: Receive to Memory	DR: Document Removed	TM: Terminated by user
HS: Host Scan	HP: Host Print	FO: Forced Output	WT: Waiting Transfer
HF: Host Fax	HR: Host Receive	FM: Forward Mailbox Doc.	WS: Waiting Send



3440 Morningstar Drive, Farmington, NM 87401

Phone: (505) 326-6525 (800) 800-9586

Fax: (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" Section 33, 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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

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

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	0.020	0.002	5.0
Barium	12.1	0.002	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.

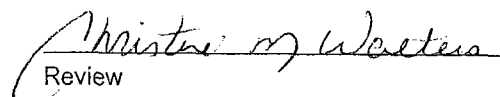
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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


Review

ENTERED DEC 18 2001

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

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%

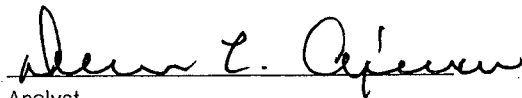
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	0.020	1.02	100.0%	80% - 120%
Barium	1.00	12.1	13.00	99.2%	80% - 120%
Cadmium	1.00	ND	0.996	99.6%	80% - 120%
Chromium	1.00	1.94	2.92	99.3%	80% - 120%
Lead	1.00	5.26	6.22	99.4%	80% - 120%
Mercury	0.100	0.004	0.102	98.1%	80% - 120%
Selenium	1.00	0.012	1.01	99.8%	80% - 120%
Silver	1.00	ND	0.998	99.8%	80% - 120%

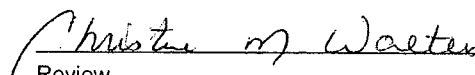
ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for sample 21687.


Analyst


Review

ENTERED DEC 19 2001

09880

[illegible]

District I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
J. S. First
tesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
ec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 95007-010

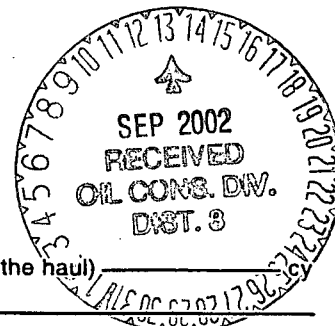
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <u>Dennis Faust</u> <u>9.11.02</u> <u>8:30</u>	4. Generator <u>Coastal Chemical</u>
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Tiffner Plant</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Coastal</u>
3. Address of Facility Operator <u>5796 US Highway 64</u> <u>Farmington, NM 87401</u>	8. State <u>Colo → N.M.</u>
7. Location of Material (Street Address or ULSTR) <u>Contact</u> <u>Rex Gage</u> <u>486-1130</u>	<u>3021 CR 328, Ignacio, Co.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. <u>fn. 970-883-2633</u>	
All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Fire tube scraping at a glycol reclaimer. Solids removed from reconditioned glycol.

Estimated Volume 5 drums cy Known Volume (to be entered by the operator at the end of the haul)



SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 9.11.02

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis Faust TITLE: Enviro/Engr DATE: 9/16/02

APPROVED BY: Matthew J. H. TITLE: Environmental/Geologist DATE: 9/23/02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

Danny Faust
Verbal
9.11.02 8:30 AM

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6171

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Coastal Chemical Co LLC 3021 CR 328 Ignacio Co 81137	2. Destination Name: Envirotech Soil Remediation Facility LandFarms #2 Hilltop, New Mexico
3. Originating Site (name): Tiffany Plant	Location of the Waste (Street address &/or ULSTR): 3021 CR 328 Ignacio Co 81137
Attach list of originating sites as appropriate	
4. Source and Description of Waste Fire Tube Scraping and Solids Removal from Glycol in the Reclaiming Processes	

I, Danny Faust (Print Name) representative for: _____
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
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

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): [Signature]

Title: Plant Manager

Date: 9/11/02



LAFAYETTE AREA LAB
5601 AMBASSADOR CAFE'RY PKWY
SCOTT, LOUISIANA
ZIP 70083-8544
PHONE (337) 237-4775

*****SUMMARY REPORT*****

Company: COASTAL CHEMICAL

Project No:

Site:

Project: GLYCOL PLANT WASTE

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
0201258-01	GLYCOL	GLYCOL PLANT	1/9/02	Arsenic, TCLP Leachate	ND	0.40mg/L	Method 6010B ***
				Barium, TCLP Leachate	ND	5.0mg/L	Method 6010B ***
				Cadmium, TCLP Leachate	ND	0.20mg/L	Method 6010B ***
				Chromium, TCLP Leachate	ND	0.20mg/L	Method 6010B ***
				Lead, TCLP Leachate	ND	0.40mg/L	Method 6010B ***
				Selenium, TCLP Leachate	ND	0.40mg/L	Method 6010B ***
				Silver, TCLP Leachate	ND	0.20mg/L	Method 6010B ***
				Mercury, TCLP Leachate	ND	0.0010mg/L	Method 7470 A ***
				Endrin	ND	1.0ug/L	Method 8080 ***
				Heptachlor	ND	1.0ug/L	Method 8080 ***
				Heptachlor Epoxide	ND	1.0ug/L	Method 8080 ***
				Methoxychlor	ND	1.0ug/L	Method 8080 ***
				γ-BHC (Lindane)	ND	1.0ug/L	Method 8080 ***
				Technical Chlordane	ND	1.0ug/L	Method 8080 ***
				Toxaphene	ND	1.0ug/L	Method 8080 ***
				2,4 - D	ND	20.0ug/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/L	Method 8260B(TCLP) ***
				2-Butanone	ND	100ug/L	Method 8260B(TCLP) ***
				Benzene	ND	50ug/L	Method 8260B(TCLP) ***
				Carbon Tetrachloride	ND	50ug/L	Method 8260B(TCLP) ***
				Chlorobenzene	ND	50ug/L	Method 8260B(TCLP) ***
				Chloroform	ND	50ug/L	Method 8260B(TCLP) ***
				Tetrachloroethene	ND	50ug/L	Method 8260B(TCLP) ***
				Trichloroethene	ND	50ug/L	Method 8260B(TCLP) ***
				Vinyl Chloride	ND	100ug/L	Method 8260B(TCLP) ***
				1,4-Dichlorobenzene	ND	2500ug/L	Method 8270C ***
				2,4,5-Trichlorophenol	ND	5000ug/L	Method 8270C ***
				2,4,6-Trichlorophenol	ND	2500ug/L	Method 8270C ***
				2,4-Dinitrotoluene	ND	2500ug/L	Method 8270C ***
				Hexachlorobenzene	ND	2500ug/L	Method 8270C ***
				Hexachlorobutadiene	ND	2500ug/L	Method 8270C ***
				Hexachloroethane	ND	2500ug/L	Method 8270C ***
				meta, para-Cresols	ND	2500ug/L	Method 8270C ***
				Nitrobenzene	ND	2500ug/L	Method 8270C ***
				ortho-Cresol	ND	2500ug/L	Method 8270C ***
				Pentachlorophenol	ND	10000ug/L	Method 8270C ***
				Pyridine	ND	5000ug/L	Method 8270C ***

ND - Not Detected.

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

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

***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 99043-004

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Holover Construction</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>PCE - Wood</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR)	<u>1280 TROY KING Rd.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Wash bay sludge from floor grates in shop.
TCLP Attached



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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-28-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Jant TITLE: Enviro/Engl DATE: 9/09/02
APPROVED BY: Matthew J. Hill TITLE: Environmental Geologist DATE: 7/11/02

1-201160



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) 334-6170 Fax (505) 334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: HANOVER COMPRESSOR 1280 TROY KING RD. FARMINGTON, N.M. 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): SAME AS ABOVE - WASH BAY - Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 1280 TROY KING RD. FARMINGTON, N.M. 87401
4. Source and Description of Waste ENGINE OIL — NO SOLVENTS; contaminated ANTIFREEZE Soil	

I, BRYAN RICHARDSON representative for:
(Print Name)
HANOVER COMPRESSOR COMPANY 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
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

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: SAFETY & ENVIRONMENTAL COORDINATOR

Date: 8-26-02

Hall Environmental Analysis Laboratory

Date: 04-Sep-02

CLIENT: Envirotech
Lab Order: 0208155
Project: Hanover Compression
Lab ID: 0208155-01

Client Sample ID: 23644
Collection Date: 8/26/02 10:15:00 AM

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES, TCLP LEACHED						
						Analyst: JDC
Benzene	ND	0.50		mg/L	1	8/29/02
2-Butanone	ND	200		mg/L	1	8/29/02
Carbon Tetrachloride	ND	0.50		mg/L	1	8/29/02
Chlorobenzene	ND	100		mg/L	1	8/29/02
Chloroform	ND	6.0		mg/L	1	8/29/02
1,4-Dichlorobenzene	ND	7.5		mg/L	1	8/29/02
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	1	8/29/02
1,1-Dichloroethene	ND	0.70		mg/L	1	8/29/02
Hexachlorobutadiene	ND	0.50		mg/L	1	8/29/02
Tetrachloroethene (PCE)	ND	0.70		mg/L	1	8/29/02
Trichloroethene (TCE)	ND	0.50		mg/L	1	8/29/02
Vinyl chloride	ND	0.20		mg/L	1	8/29/02
Surr: 1,2-Dichloroethane-d4	97.0	70-130		%REC	1	8/29/02
Surr: 4-Bromofluorobenzene	97.6	70-130		%REC	1	8/29/02
Surr: Dibromofluoromethane	101	70-130		%REC	1	8/29/02
Surr: Toluene-d8	98.1	70-130		%REC	1	8/29/02
SEMIVOLATILES, TCLP LEACHED						
						Analyst: CS
2,4,5-Trichlorophenol	ND	400		mg/L	1	8/30/02
2,4,6-Trichlorophenol	ND	2.00		mg/L	1	8/30/02
2,4-Dinitrotoluene	ND	0.130		mg/L	1	8/30/02
Cresols, Total	ND	200		mg/L	1	8/30/02
Hexachlorobenzene	ND	0.130		mg/L	1	8/30/02
Hexachlorobutadiene	ND	0.500		mg/L	1	8/30/02
Hexachloroethane	ND	3.00		mg/L	1	8/30/02
Nitrobenzene	ND	2.00		mg/L	1	8/30/02
Pentachlorophenol	ND	100		mg/L	1	8/30/02
Pyridine	ND	5.00		mg/L	1	8/30/02
Surr: 2,4,6-Tribromophenol	85.9	0-169		%REC	1	8/30/02
Surr: 2-Fluorobiphenyl	57.3	6-118		%REC	1	8/30/02
Surr: 2-Fluorophenol	43.0	0-103		%REC	1	8/30/02
Surr: 4-Terphenyl-d14	40.8	3-135		%REC	1	8/30/02
Surr: Nitrobenzene-d5	59.1	8-115		%REC	1	8/30/02
Surr: Phenol-d6	33.5	0-127		%REC	1	8/30/02
MERCURY, TCLP LEACHED						
						Analyst: MAP
Mercury	ND	0.020		mg/L	1	8/28/02
EPA METHOD 6010C: TCLP METALS						
						Analyst: NMO
Arsenic	ND	5.0		mg/L	1	8/29/02 10:06:08 AM
Barium	ND	100		mg/L	1	8/29/02 9:10:34 AM
Cadmium	ND	1.0		mg/L	1	8/29/02 9:10:34 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 04-Sep-02

CLIENT: Envirotech
Lab Order: 0208155
Project: Hanover Compression
Lab ID: 0208155-01

Client Sample ID: 23644
Collection Date: 8/26/02 10:15:00 AM
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Chromium	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
Selenium	ND	1.0		mg/L	1	8/29/02 9:10:34 AM
Silver	ND	5.0		mg/L	1	8/29/02 11:23:39 AM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
M - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

CHAIN OF CUSTODY RECORD

Client / Project Name		Project Location		ANALYSIS / PARAMETERS													
Remover Compression		Old POI Facility															
Sampler: JLS		Client No. 99043-004															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TC & P	w/6 HEP								Remarks		
Sample 1	8-26-02	1015	23644	Soil	1	/									Composite		
Relinquished by: (Signature)		Date 8-26-02		Time 1100		Received by: (Signature)		Date 8/26/02		Time 11:00							
Relinquished by: (Signature)						Received by: (Signature)											
Relinquished by: (Signature)						Received by: (Signature)											
<div> <div>ENVIROTECH INC.</div> <div>5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615</div> </div>															Sample Receipt		
															Y	N	N/A
															Received Intact		
															Cool - Ice/Blue Ice		

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

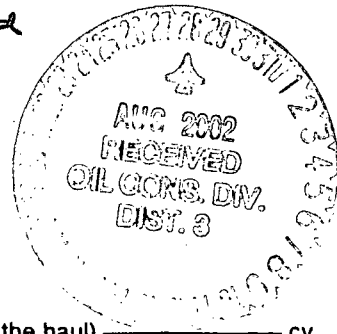
Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Maralex</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>Scott #1</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>TBA</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>"K" Sec. 18, T30N, R11W</i>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

*Mixed Load of Exempt (rusty scale from inside tanks) &
Non exempt waste - lube oil contaminated*



Estimated Volume < 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 8-28-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

09402-1

(This space for State Use)

APPROVED BY: *Denny Teut* TITLE: Enviro/Engr DATE: 8/29/02
APPROVED BY: *Monty Z...* TITLE: Environmental Geologist DATE: 9/4/02

**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**GARY E. JOHNSON
GOVERNOROIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170JENNIFER A. SALISBURY
CABINET SECRETARY**CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address: Maralex Resources, Inc. P.O. Box 338 Ignacio, CO 81137	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Well Name: Scott # 1	Location of the Waste (Street address &/or ULSTRI): 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 interior of produced water tank. 2) Refined oil contaminated soil from leak in polish rod lubricator.	

I, Jim Graves (Print Name) representative for:
Maralex Resources, Inc. 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):☐ 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): Jim GravesTitle: Operations ManagerDate: August 20, 2002

Material Safety Data Sheet



CONOCO HD FLEET ENGINE OIL / CONOCO HD FLEET SUPREME ENGINE OIL

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

CONOCO HD FLEET ENGINE OIL / CONOCO HD FLEET SUPREME ENGINE OIL

MSDS Code: MOTC0090

Revised: 19 July 2002

"Conoco HD Fleet", "Conoco HD Fleet Supreme" are registered trademarks of Conoco Inc.

Tradenames:

Conoco HD Fleet Engine Oil, SAE 10W, 20W-20, 30, 40, 50
Conoco HD Fleet Supreme Engine Oil, SAE 10W-30, 15W-40

MANUFACTURER/DISTRIBUTOR

Conoco Inc.
P.O. Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information: 1-281-293-5550
Transport Emergency: CHEMTREC 1-800-424-9300 (U.S. & Canada)
1-703-527-3887 (international; call collect)
Medical Emergency: 1-800-342-5119 or 281-293-5119

WEB SITE: www.conoco.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	%
Highly Refined Base Oils	64742-54-7	60-95
	64742-01-4	0-30
Zinc Compounds	Mixture	<=1.5
Other	Mixture	5-35

If oil mist is generated, exposure limits apply. (See Section 8.)

3. HAZARDS IDENTIFICATION

--- EMERGENCY OVERVIEW ---

APPEARANCE / ODOR

Clear and bright liquid / mild petroleum hydrocarbon odor.

OSHA REGULATORY STATUS

This material is not hazardous as classified under OSHA regulations

HMIS RATING Health: 1; Flammability: 1; Physical Hazard: 0.
NFPA RATING Health: 1; Flammability: 1; Instability: 0.

Potential Health Effects

Page 1 of 7

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 (185 C) 20W-20, 40, 50, 15W-40
356 F (180 C) 30
320 F (160 C) 10W-30

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
Method: COC
370 F (188 C) 10W-30
374 F (190 C) 15W-40
Method: PMCC

Autoignition : Not available.
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.

PEL (OSHA) : 5 mg/m³, 8 Hr. TWA
TLV (ACGIH) : 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)

Viscosity (typical)	@ 40 C	@ 100 C
10W	: 41 cSt	6.6 cSt
20W-20	64 cSt	8.7 cSt
30	90 cSt	11 cSt
40	128 cSt	13.5 cSt
50	180 cSt	16.9 cSt
15W-40	128 cSt	15.4 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.

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.

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.

Ingredient : Zinc Compound.
Category : Environmental Hazardous Substance.

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.

Prepared By : DNA - SHE
Address : Conoco Inc.
> : PO Box 2197
> : Houston, TX 77252
Telephone : 1-281-293-5550

Indicates updated section.

End of MSDS

Page 7 of 7

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

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

Form C-138
Originated 8/8/9

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 01011-

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Dial Oil Co.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Rosa UNIT #41B, #171B, #171C</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Sierra Oilfield Services</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 6, T31N, R5W</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Clean up of new Canoco 40 Fleet Eagle oil (S&E 30) @ a line break at a compressor location



Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8.6.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Feunt TITLE: Enviro/Engr DATE: 8/09/02
APPROVED BY: Matthew J. Galt TITLE: Environmental Geologist DATE: 8-19-02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-5178 Fax (505) 334-5170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: DIAL OIL COMPANY 3303 N 1st Street BLOOMFIELD NM 87413	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Williams Production Co. ROSA UNIT #41B, #171B, #171C. SEC 6, T-31-N, R5W, NMPM Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): RIO ARriba COUNTY NM
4. Source and Description of Waste NEW (UNUSED) CONOCO HD FLEET ENGINE OIL, SAE 30	

I, Tom Hudson representative for:
DIAL OIL COMPANY (Print Name)
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):
☐ 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): Tom Hudson

Title: Safety

Date: 08-06-02

Material Safety Data Sheet



CONOCO HD FLEET ENGINE OIL / CONOCO HD FLEET SUPREME ENGINE OIL

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

CONOCO HD FLEET ENGINE OIL / CONOCO HD FLEET SUPREME ENGINE OIL

MSDS Code: MOTC0090

Revised: 20 March 2002

"Conoco HD Fleet", "Conoco HD Fleet Supreme" are registered trademarks of Conoco Inc.

Tradenames:

Conoco HD Fleet Engine Oil, SAE 10W, 20W-20, 30, 40, 50
Conoco HD Fleet Supreme Engine Oil, SAE 10W-30, 15W-40
Conoco HD Fleet Supreme Hi TBN Engine Oil, SAE 40, 15W-40

MANUFACTURER/DISTRIBUTOR

Conoco Inc.
P.O. Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information: 1-281-293-5550
Transport Emergency: CHEMTREC 1-800-424-9300 (U.S. & Canada)
1-703-527-3887 (international; call collect)
Medical Emergency: 1-800-342-5119 or 281-293-5119

WEB SITE: www.conoco.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	%
Highly Refined Base Oils	64742-54-7	60-95
	64742-01-4	0-30
Zinc Compounds	Mixture	<=1
Other	Mixture	5-35

If oil mist is generated, exposure limits apply. (See Section 8.)

3. HAZARDS IDENTIFICATION

--- EMERGENCY OVERVIEW ---

APPEARANCE / ODOR

Clear and bright liquid / mild petroleum hydrocarbon odor.

OSHA REGULATORY STATUS

This material is not hazardous as classified under OSHA regulations.

HMIS RATING Health: 1; Flammability: 1; Physical Hazard: 0.
NFPA RATING Health: 0; Flammability: 1; Instability: 0.

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.

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 (185 C)	20W-20, 40, 50, 15W-40
		356 F (180 C)	30
		320 F (160 C)	10W-30
		392 F (200 C)	Hi TBN 15W-40

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

Autoignition : Not available.
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.

PEL (OSHA) : 5 mg/m³, 8 Hr. TWA

TLV (ACGIH) : 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)	
Viscosity	@ 40 C	@ 100 C
10W	: 41 cSt	6.6 cSt
20W-20	64 cSt	8.7 cSt
30	90 cSt	11 cSt
40	128 cSt	13.5 cSt
50	180 cSt	16.9 cSt
15W-40	131 cSt	15.4 cSt

10W-30	75 cSt	11.5 cSt
Hi TBN 40	141 cSt	15.2 cSt
Hi TBN 14W-40	113 cSt	15.3 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.

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.

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.

Ingredient : Zinc Compound.
Category : Environmental Hazardous Substance.

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.

Prepared By : Toxicology and Product Safety
Address : Conoco Inc.
> : PO Box 2197
> : Houston, TX 77252
Telephone : 1-281-293-5550

Indicates updated section.

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
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-131
Originated 8/8/9

Submit Original
Plus 1 Copy
to appropriate
District Office

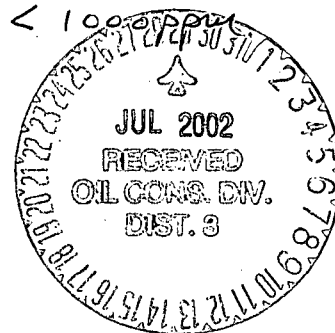
Env. JN: 02077-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator <u>Quadco</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Main Yard</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Envirotech</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>New Mexico</u>
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.	<u>1390 E. Murray Drive, Farmington, NM 87401</u>

BRIEF DESCRIPTION OF MATERIAL:

Sludge generated @ cleanout of a wash bay sump.
Chlor-D Test Kit used to determine CL < 1000 ppm
Total Metals - Attached



Estimated Volume 5 drums Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 7-25-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Feint TITLE: Enviro/Engr DATE: 7/31/02
APPROVED BY: Walter J. Hill TITLE: Environmental 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
(505) 334-6170 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <u>Quadeo</u> <u>1390 E. Murray Drive</u> <u>FARMINGTON, NM 87401</u>	2. Destination Name: <u>Envirotech Soil Remediation Facility</u> <u>Landfarm #2</u> <u>Hilltop, New Mexico</u>
3. Originating Site (name): <u>1390 E. MURRAY DRIVE</u> <u>FARMINGTON, NM 87401</u> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste <u>WASH BAY Sump Sludge</u>	

I, Steve Vitathum representative for:
(Print Name)

Quadeo 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

☒ RCRA Hazardous Waste Analysis

☒ Chain of Custody

☒ Other (description): CHLOR-D-Tect

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): [Signature]

Title: DISTRICT MANAGER

Date: 7-16-02

ENVIROTECH LABS

PRACTICAL 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

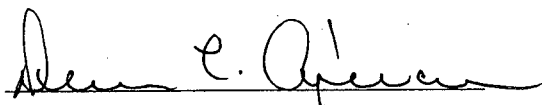
ND - Parameter not detected at the stated detection limit.

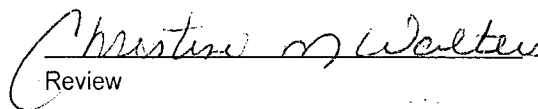
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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

ENTERED JUL 16 2002

ENVIROTECH LABS

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 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%

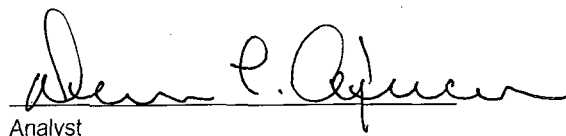
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.063	0.561	99.6%	80% - 120%
Barium	0.500	8.21	8.70	99.9%	80% - 120%
Cadmium	0.500	0.084	0.582	99.7%	80% - 120%
Chromium	0.500	0.624	1.12	99.6%	80% - 120%
Lead	0.500	0.486	0.981	99.5%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.042	0.540	99.6%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

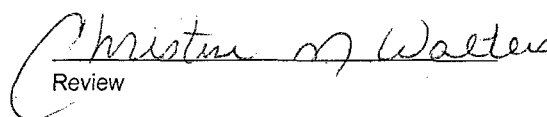
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SW-846, USEPA, December 1996.

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

Comments: QA/QC for samples 23209, 23215.


Analyst


Review

10046

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

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

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

Form C-13
Originated 8/8/91

Submit Original
Plus 1 Copy
to appropriate
District Office

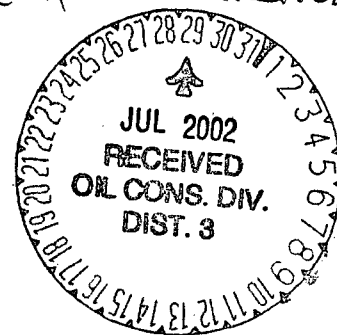
Env. JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Halliburton Energy Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Main Yard
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 E. Main Farmington NM
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Continuation of wash bay solids disposal & remediation.
TCLP Attached



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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 7-25-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Jant TITLE: Enviro/Engr DATE: 7/31/02
APPROVED BY: Matt Galt TITLE: Environmental 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
(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: Halliburton Energy Services 4109 E Main Street Farmington NM 87402	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton Energy Services 4109 E Main Street Farmington NM 87402 Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Solids Stabilization Pad East side of Main Yard Facility 4109 E. Main Street Farmington NM
4. Source and Description of Waste Continuation of wash bay solids; mud & related material generated at Truck Wash Bay	

I, Melinda Dean Krause III representative for:
Halliburton Energy Service 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):
☐ 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): Melinda Dean Krause III
 Title: Materials Control Supervisor
 Date: 7/23/02

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER 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 defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: 4109 E. Main.

Mistine M. Walters
Analyst

Dean L. O'Brien
Review

ENTERED JUL 10 2002

ENVIROTECH LABS

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

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

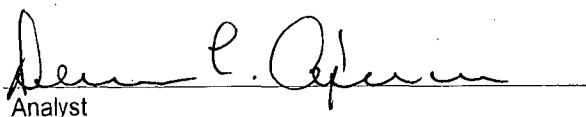
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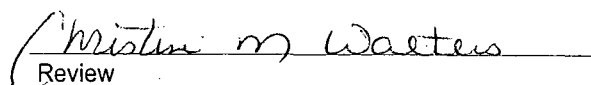
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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

ENVIROTECH LABS

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%

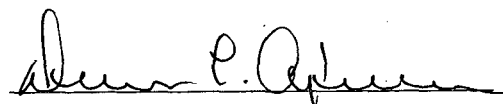
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

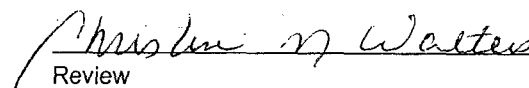
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

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

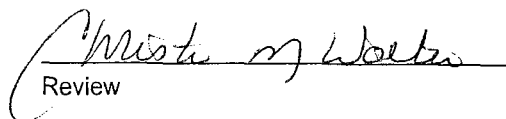
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

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

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

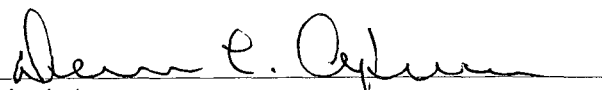
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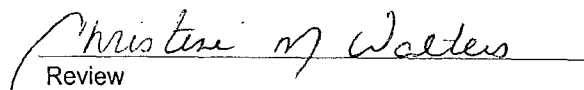
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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

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

Comments: 4109 E. Main St.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

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

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

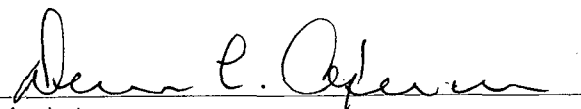
ND - Parameter not detected at the stated detection limit.


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

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

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

Comments: QA/QC for sample 22848.


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ENVIROTECH LABS

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:	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

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

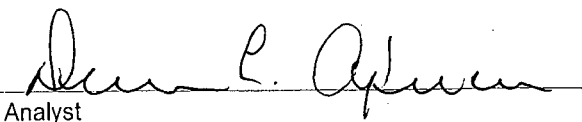
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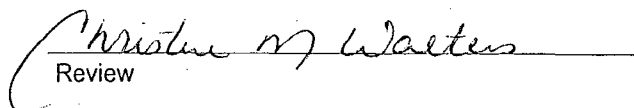
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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: QA/QC for sample 22848.


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ENVIROTECH LABS

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:	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

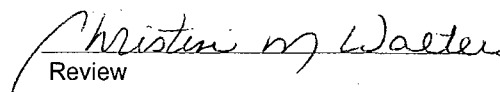
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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: QA/QC for sample 22848.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 22848
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

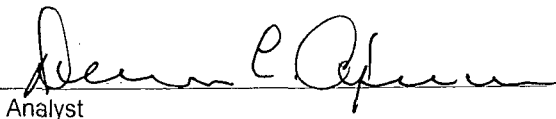
Project #: N/A
Date Reported: 06-07-02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-07-02
Date Extracted: 06-04-02

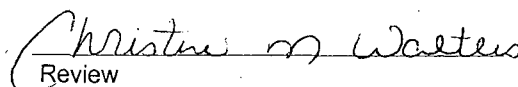
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0490	0.0001	98%	47-132
Chloroform	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%	39-150
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 sample 22848.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-07-02
Laboratory Number:	06-07-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-02
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(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 %

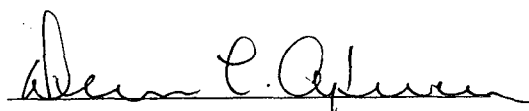
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

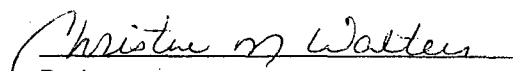
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample 22848.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

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

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

ND - Parameter not detected at the stated detection limit.

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

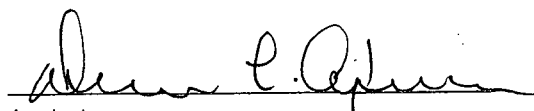
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

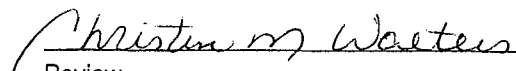
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: QA/QC for sample 22848.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

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

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

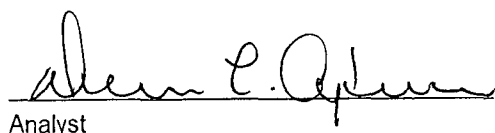
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

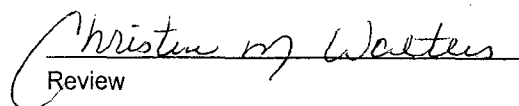
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample 22848.


Analyst


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ENVIROTECH LABS

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

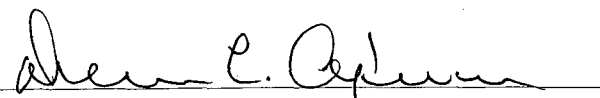
ND - Parameter not detected at the stated detection limit.

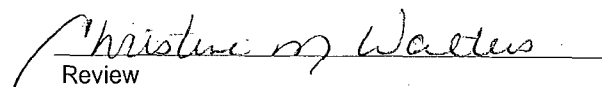
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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

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

Comments: QA/QC for sample 22848.


Analyst


Review

ENVIROTECH LABS

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

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

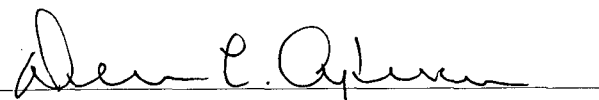
ND - Parameter not detected at the stated detection limit.

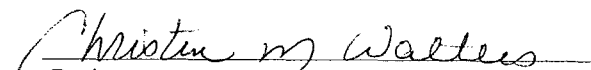
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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

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

Comments: QA/QC for sample 22848.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

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

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

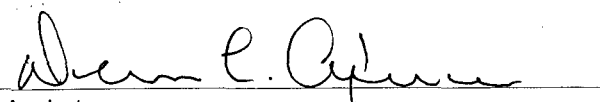
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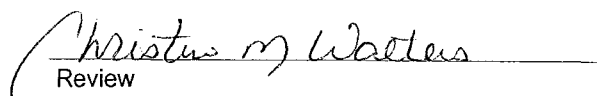
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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

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

Comments: QA/QC for sample 22848.


Analyst


Review

ENVIROTECH LABS

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-TCM QA/QC	Date Reported:	06-06-02
Laboratory Number:	22848	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	06-06-02
Condition:	N/A	Date Extracted:	06-04-02

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance 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 Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance 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%

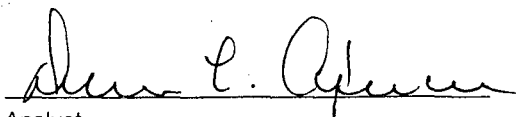
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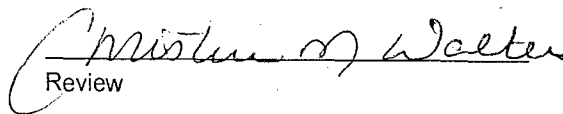
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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: QA/QC for sample 22848.


Analyst


Review

09938

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

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

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

marlyne Krelmy

Form C-13
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 97057-663

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator <u>EDFS.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Blanco Plant C-2 Compressor</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Envirotech</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>New Mexico</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	<u>"B" Section 729N, 124W SJ County, NM.</u>

BRIEF DESCRIPTION OF MATERIAL:

Cleanup of turbine oil contaminated soil at a crank case failure.



Estimated Volume 15 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 7.22.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Zent TITLE: Enviro/Eng DATE: 07/25/02
APPROVED BY: Mark Hill TITLE: Environment/Geologist DATE: 07/30/02

Hold for total metals.

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name). Blanco Plant	Location of Waste (Street address &/or ULSTR): Section 14, T29N, R11W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with lube oil from oil filter case failure	

I, David Bays representative for.
(Print Name)

El Paso Field Services Co. 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 X **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-hazardous waste defined above.

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

MSDS Information Other (description)
X RCRA Hazardous Waste Analysis
Chain of Custody

Name (Original Signature): David Bays
Title: Principal Environmental Scientist
Date: July 2, 2002

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

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

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

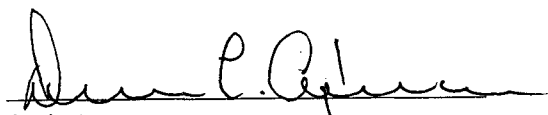
ND - Parameter not detected at the stated detection limit.

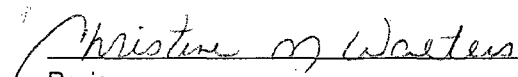
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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


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:	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%

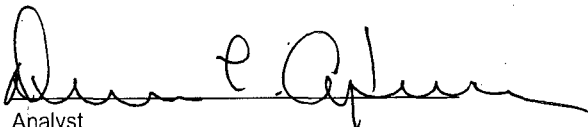
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.063	0.561	99.6%	80% - 120%
Barium	0.500	8.21	8.70	99.9%	80% - 120%
Cadmium	0.500	0.084	0.582	99.7%	80% - 120%
Chromium	0.500	0.624	1.12	99.6%	80% - 120%
Lead	0.500	0.486	0.981	99.5%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.042	0.540	99.6%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

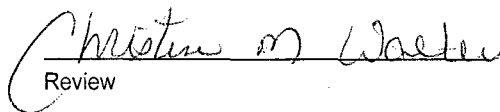
ND - Parameter not detected at the stated detection limit.

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 Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 23209, 23215.


Analyst


Review

10049

[illegible]

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

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



Form C-138
Originated 8/8/97

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Coastal Chemical</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Various</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Enviro tech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>1130 Madison Lane Farmington, NM 87401</u>
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:

Clean up of spills, leaks, & upsets of new lubricating fluids at various customer locations (oil & gas production sites)
MSDS for typical lube oils attached.

Estimated Volume 22 drums Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 7.15.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Faust TITLE: Enviro/Engl DATE: 07/18/02
APPROVED BY: Martin J. Sch... TITLE: Environmental Geologist DATE: 07/23/2002



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

Danue Forest.
7.15.02
14:04
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170 Fax (505) 334-6170

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 CHEMICAL	Location of the Waste (Street address &/or ULSTR): 1130 MADISON LANE FARMINGTON NM 87401
Attach list of originating sites as appropriate	
4. Source and Description of Waste SOIL CONTAMINATED WITH VIRGIN MOTOR OILS OF VARIOUS GRADES	

I, JOHN MESSONIGER representative for:
(Print Name)

COASTAL CHEM LLC 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):
☐ 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):

John Messoniger

Title: WAREHOUSE

Date: 6-27-02



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	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

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

If oil mist is generated, exposure limits apply.

(Continued)

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)

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)

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 NIOSH-approved 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/m ³ , 8 Hr. TWA
TLV	(ACGIH)	5 mg/m ³ , 8 Hr. TWA, STEL 10 mg/m ³

(Continued)

EXPOSURE CONTROLS/PERSONAL PROTECTION(Continued)

	Notice of Intended Changes (1998)
	5 mg/m ³ , 8 Hr. TWA, (As sampled by
	method that does not collect vapors)
AEL * (DuPont)	5 mg/m ³ , 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	700-1100 F (371-593 C)
Vapor Pressure	Nil
Vapor Density	>1 (Air = 1)
% Volatiles	Nil
Evaporation Rate	Nil
Solubility in Water	Insoluble
Odor	Petroleum hydrocarbon (mild)
Form	Liquid
Color	Amber to Brown
Specific Gravity	0.88 @ 60 F (16 C)
Density	7.34-7.36 lb/gal @ 60 F (16 C)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Heat, sparks, and flames.

Incompatibility with Other Materials

Incompatible or can react with oxidizers.

Decomposition

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

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

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

"USED" Motor Oil -

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

(Continued)

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

(Continued)

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

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating	
Health	1
Flammability	1
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(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.

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



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 1-281-293-5550

Transport Emergency CHEMTREC 1-800-424-9300

Medical Emergency 1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material

CAS Number %

Highly refined base oils >80

Proprietary additives <20

If oil mist is generated, exposure limits apply.

(Continued)

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)

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)

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 NIOSH-approved 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

(Continued)

EXPOSURE CONTROLS/PERSONAL PROTECTION(Continued)

	Notice of Intended Changes (1998)
	5 mg/m ³ , 8 Hr. TWA, (As sampled by
	method that does not collect vapors)
AEL * (DuPont)	5 mg/m ³ , 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	700-1100 F (371-593 C)
Vapor Pressure	Nil
Vapor Density	>1 (Air = 1)
% Volatiles	Nil
Evaporation Rate	Nil
Solubility in Water	Insoluble
Odor	Petroleum hydrocarbon (mild)
Form	Liquid
Color	Amber to Brown
Specific Gravity	0.88 @ 60 F (16 C)
Density	7.34-7.36 lb/gal @ 60 F (16 C)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Heat, sparks, and flames.

Incompatibility with Other Materials

Incompatible or can react with oxidizers.

Decomposition

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

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

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

"USED" Motor Oil -

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

(Continued)

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

(Continued)

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

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating	
Health	1
Flammability	1
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(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.

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

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 GALLOWES RD.

FAIRFAX, VA 22037

24 - Hour Emergency (call collect): 609-737-4411

Product and MSDS Information: 800-662-4525 856-224-4644

CHEMTREC: 800-424-9300 202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS & 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: Flush thoroughly with water. If irritation occurs, call a physician.

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): > 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 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.

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 practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene 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: Mild

ODOR THRESHOLD-ppm: NE

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 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

---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. (Iraize 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: 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 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 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 261.0), nor is it formulated to contain materials which 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, 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, O,O-DI	68649-42-3	22
CI-14-ALKYL ESTERS, ZINC SALTS (2:		
1) (ZDDP) (0.33%)		

--- REGULATORY LISTS SEARCHED ---

1-ACGIH ALL	6-IARC 1	11-TSCA 4	16-CA P65 CARC	21-IA RTK
2-ACGIH A1	7-IARC 2A	12-TSCA 5a2	17-CA P65 REPRO	22-M1 293
3-ACGIH A2	8-IARC 2B	13-TSCA 5c	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 2	15-TSCA 12b	20-IL RTK	25-PA RTK
				26-SI 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.

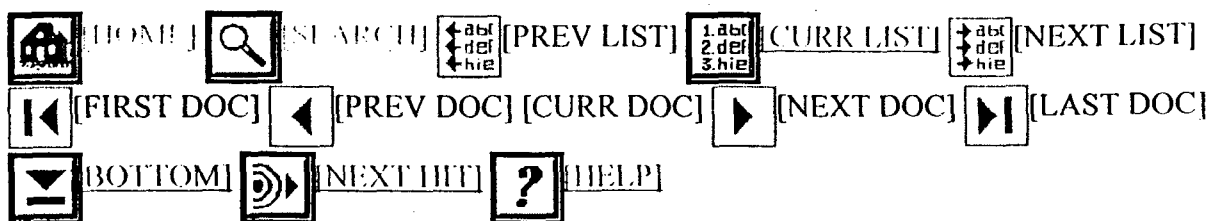
Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

For Internal Use Only: MHC: 1* 1* 0* 1* 1*, MPPEC: A, TEN: 606111-00, CMCS97: 97G051, REQ: MRCTEC - LUBES, SAFE USE: L

EHS Approval Date: 14SEP1999

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 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.

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to make a difference™ [Print View](#)

605717-00

605717-00 MOBIL PEGASUS 89
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT 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

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: Flush thoroughly with water. If irritation occurs, call a physician.

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.
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 practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene 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: 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

---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: 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 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 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

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%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-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=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.

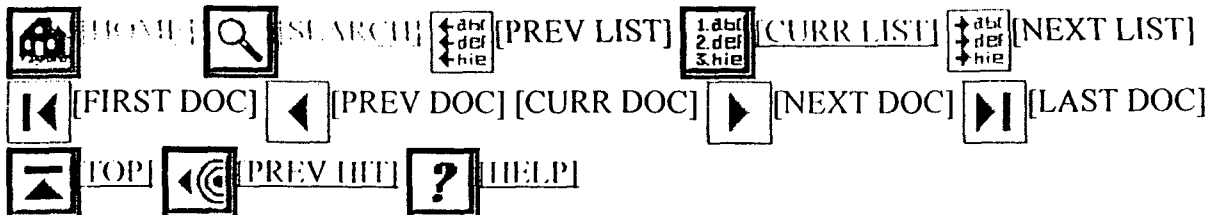
Please call the Customer Response Center on 800-662-4525 for formulation disclosure.

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

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 any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or re-transmission 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.

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District 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

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

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Halliburton Energy Services
	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. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

07-03-02

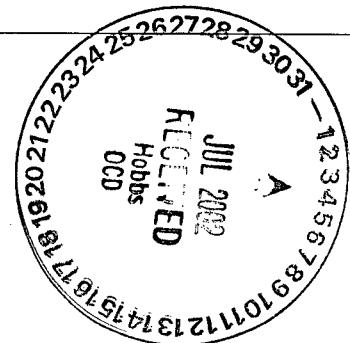
Neutralized HCL acid and contaminated soil generated from a spill.

Enclosed is certificate of waste status and MSDS data.

Estimated Volume appx. 4 1/2 drums cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 07-03-02
Waste Management Facility Authorized Agent

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



(This space for State Use)

APPROVED BY: Monty Kelly TITLE: Environmental Geologist DATE: 7/16/02
APPROVED BY: Chris Williams TITLE: Dist. Supervisor DATE: 7/3/02

2-207160-2

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

COMPANY / GENERATOR Halliburton Energy ServicesADDRESS 5801 Livingston Hwy, Hobbs, NMGENERATING SITE OCCIDENTAL - D.V. 4614 - Denver CityCOUNTY Yunum STATE TXTYPE OF WASTE Neutralized HCL Acid & Contaminated SoilESTIMATED VOLUME 4 1/2 DrumGENERATING PROCESS Acid Transport Mal RLeaking valve, resulting in Acid Spill

REMARKS _____

NMOCF FACILITY CAITRUCKING COMPANY Halliburton Energy Services

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1981 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

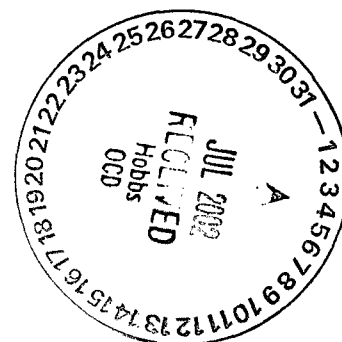
AGENT Stephen W. Bailey
SIGNATURENAME Stephen W. Bailey
PRINTEDADDRESS 5801 Livingston HwyHobbs, NM 88240DATE 7-1-02

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

COMPANY / GENERATOR Halliburton Energy Services
ADDRESS 5891 Livingston Hwy Hobbs, NM
GENERATING SITE Occidental - D.U. 4814 - Denver City,
COUNTY Yulon State, TX
TYPE OF WASTE Neutralized HCl mud & Contaminated Soil
ESTIMATED VOLUME 4 1/2 Drum
GENERATING PROCESS Acid Transport Hall R
Leaking valve, resulting in acid spill
REMARKS _____
NMOC FACILITY C.A.T.
TRUCKING COMPANY Halliburton Energy Services

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1980 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the status as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT Stephen W. Bailey
SIGNATURE
NAME Stephen W. Bailey
PRINTED
ADDRESS 5891 Livingston Hwy
Hobbs, NM 88240
DATE 7-1-02



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: HYDROCHLORIC ACID 10-30%
Synonyms: None
Chemical Family: Inorganic acid
Application: Solvent

Company Undertaking Identification
Halliburton Energy Services
Hill Park Court,
Springfield Drive
eatherhead
Surrey KT22 7NL
United Kingdom
Emergency Phone Number: +44 117 927 0086 or +1 713 676 3000



Prepared By Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Number	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 laundry before reuse.

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

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

HYDROCHLORIC ACID 10-30%

5. FIRE FIGHTING MEASURES

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

Unsuitable Extinguishing Media None known.

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

Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatus required 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 when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection 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/m³):

Boiling Point/Range (C):

Liquid

Clear colorless

Pungent acrid

0.8

1.16

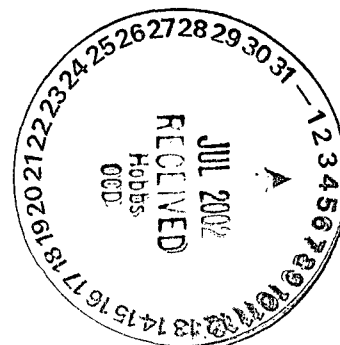
1.16

Not Determined

110

HYDROCHLORIC ACID 10-30%

Page 2 of 5



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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	Causes severe respiratory irritation.
Skin Contact	May cause skin burns.
Eye Contact	May cause eye burns.
Ingestion	Causes burns of the mouth, throat and stomach.
Aggravated Medical Conditions	Skin disorders.
Chronic Effects/Carcinogenicity	Prolonged, excessive exposure may cause erosion of the teeth.
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	LC50: 3124 ppm/1 hr. (Rat)



Primary Irritation Effect: Not determined
Carcinogenicity Not determined
Genotoxicity: Not determined
Reproductive / Developmental Toxicity: Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air) Not determined
Persistence/Degradability Not determined
Bio-accumulation Not Determined

Ecotoxicological Information

Acute Fish Toxicity: Not determined
Acute Crustaceans Toxicity: Not determined
Acute Algae Toxicity: Not determined
Chemical Fate Information Not determined
Other Information Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method 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

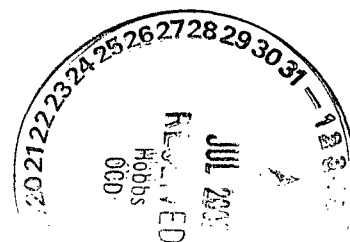
Sea Transportation

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

Other Shipping Information

Labels: Corrosive

15. REGULATORY INFORMATION



EC Supply labeling Requirements

This product is subject to the labeling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended.

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 been revised since the last issue of this MSDS

Not applicable

Additional Information

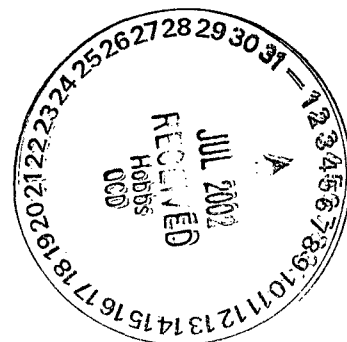
For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

END OF MSDS



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-34
Synonyms: None
Chemical Family: Carbonate
Application: 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

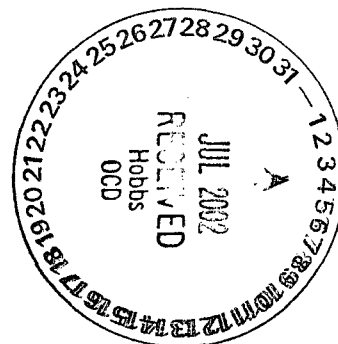
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>UK OEL/MEL</u>	<u>Germany MAK/TRK</u>	<u>Netherlands MAC</u>	<u>EEC Classification</u>
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.



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.

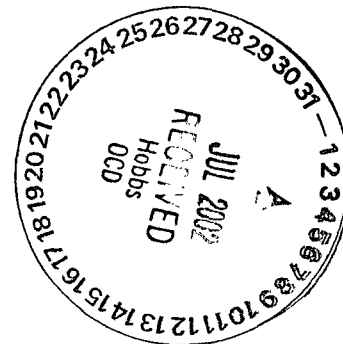
7. HANDLING AND STORAGE

Handling Precautions

Avoid creating or inhaling dust.

Storage Information

Store away from acids. Store in a dry location.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

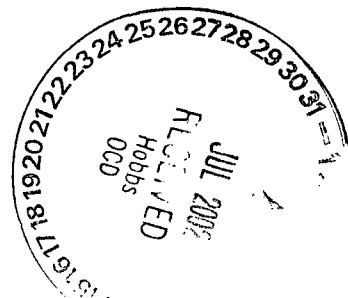
Wear safety glasses or goggles to protect against exposure.

Other Precautions

None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Colour:	White
Odour:	Odourless
pH:	8
Specific Gravity @ 20 C (Water=1):	1.87
Density @ 20 C (kg/l):	Not Determined
Bulk Density @ 20 C (kg/l):	Not Determined
Boiling Point/Range (C):	Not Determined
Freezing Point/Range (C):	Not Determined
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
Vapour Pressure @ 20 C (mmHg):	Not Determined
Vapour Density (Air=1):	Not Determined
Percent Volatiles:	Not Determined
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 (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined
Decomposition Temperature (C):	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.

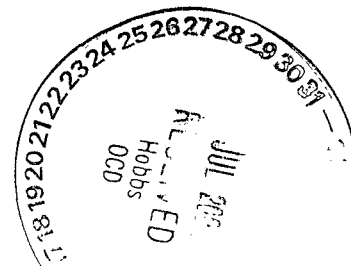
Other Information
None known.

Toxicity Tests

Oral Toxicity: LD50: 4220 mg/kg (Rat)

Dermal Toxicity: Not determined.

Inhalation Toxicity: Not determined



ICAO/IATA
Not restricted

Sea Transportation

IMDG
Not restricted

Other Shipping Information

Labels: None

15. REGULATORY INFORMATION

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.

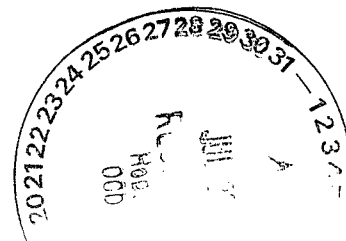
Disclaimer Statement

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

K-34

Page 6 of 6



District I
1625 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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

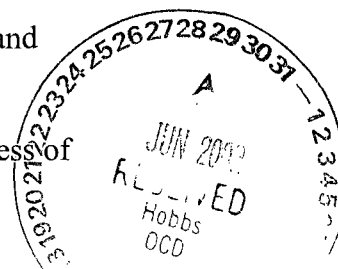
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Navajo Refining Co.
	5. Originating Site El Paso Facility
2. Management Facility 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. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

06-28-02

Rust/Scale generated from cleaning tanks for maintenance and inspection. Rust and scale is from inside the tanks.

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) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 06-28-02
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro GR DATE: 6/28/02

APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 7/16/02

1-20420

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

COMPANY / GENERATOR: Navajo Refining CompanyADDRESS: 1000 East Side Dr. El Paso TX, 79915-1004GENERATING SITE: Navajo Refining CompanyCOUNTY: El PasoSTATE: TXTYPE OF WASTE: Tank 212 Rust/ScaleESTIMATED VOLUME: 3 Roll OffsGENERATING PROCESS: Tank 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 IncorporatedTRUCKING 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 (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3,

AGENT: 
SIGNATURENAME: Charlene Plymale
PRINTEDADDRESS: 501 EAST MAINARTESIA, NM 88210DATE: 6-28-02



REFINING COMPANY

FAX

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

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 748-3311

FAX

(505) 746-5419 ACCOUNTING
(505) 748-5451 EXEC/MKTG
(505) 746-5421 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

An Independent Refinery Serving . . .

NEW MEXICO • ARIZONA • WEST TEXAS • NORTHERN MEXICO

2 P. 2 NO. 405

ENGINEERING JUN. 27. 2002 2:58PM

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: June 27, 2002 Order Number: A02061214
N/A N/APage Number: 1 of 2
Tank 212 Bottoms

Summary Report

PHIL YOUNG BLOOD

Don Hoolihan
Navajo Refining Co.
1000 East Side
El Paso, Tx. 79915

Report Date: June 27, 2002

Order ID Number: A02061214

Project Number: N/A
Project Name: N/A
Project Location: Tank 212 Bottoms

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
199080	Tank 212 Bottoms	Liquid / scale	6/10/02	16:00	6/11/02

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

Sample: 199080 - Tank 212 Bottoms

Param	Flag	Result	Units
Corrosivity			
Corrosivity (EPA limit = >6.5 mm/yr)		.4043 non-corrosive	mm/yr
pH (EPA limit = <2 >12.5)		6.9	s.u.
Flashpoint (EPA limit = >140 F)		110	F
Reactivity			
Reactivity		Non-reactive	
Hydrogen Sulfide (EPA limit = 500)		<10	mg/L
Hydrogen Cyanide (EPA limit = 250)		<2.5	mg/L
TCLP Mercury (EPA limit = 0.20)		<0.010	mg/L
TCLP Metals			
TCLP Arsenic (EPA limit = 5.0)		<0.500	mg/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 (EPA limit = 5.0)		<0.125	mg/L
TCLP Semivolatiles			
Pyridine (EPA limit = 5.0)		<0.05	mg/L
1,4-Dichlorobenzene (EPA limit = 7.5)		<0.05	mg/L
o-Cresol (EPA limit = 200.0)		<0.05	mg/L
m,p-Cresol (EPA limit = 200.0)		<0.05	mg/L
Hexachloroethane (EPA limit = 3.0)		<0.05	mg/L
Nitrobenzene (EPA limit = 2.0)		<0.05	mg/L
Hexachlorobutadiene (EPA limit = 0.5)		<0.05	mg/L
2,4,6-Trichlorophenol (EPA limit = 2.0)		<0.05	mg/L
2,4,5-Trichlorophenol (EPA limit = 400.0)		<0.05	mg/L
2,4-Dinitrotoluene (EPA limit = 0.15)		<0.05	mg/L



TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

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

Sample 199080 continued ...

Param	Flag	Result	Units
2,4-D (EPA limit = 10.0)		<0.05	mg/L
Hexachlorobenzene (EPA limit = 0.13)		<0.05	mg/L
2,4,5-TP (EPA limit = 1.0)		<0.05	mg/L
Pentachlorophenol (EPA limit = 100.0)		<0.05	mg/L
TCLP Volatiles			
Vinyl Chloride (EPA limit = 0.20)		<0.05	mg/L
1,1-Dichloroethene (EPA limit = 0.70)		<0.05	mg/L
Methyl ethyl ketone (EPA limit = 200.0)		<0.50	mg/L
Chloroform (EPA limit = 0.00)		<0.05	mg/L
1,2-Dichloroethane (EDC) (EPA limit = 0.50)		<0.05	mg/L
Benzene (EPA limit = 0.50)		0.25	mg/L
Carbon Tetrachloride (EPA limit = 0.50)		<0.05	mg/L
Trichloroethene (TCE) (EPA limit = 0.50)		<0.05	mg/L
Tetrachloroethene (PCE) (EPA limit = 0.70)		<0.05	mg/L
Chlorobenzene (EPA limit = 100.00)		<0.05	mg/L
1,4-Dichlorobenzene (EPA limit = 7.50)		<0.05	mg/L

PHIL YOUNG BLOOD
1 OF 3 PAGES

Navajo Refining Company



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

Engineering Department
Fax-(505)746-5421

Fax

Company Name: _____

To: Carmella From: Charlie Pymale
Fax: 505 393 3615 Pages: 6 (Including cover sheet)
Phone: _____ Date: 6/27/02
Re: _____ CC: _____

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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☐ Comments: _____

District I
1625 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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

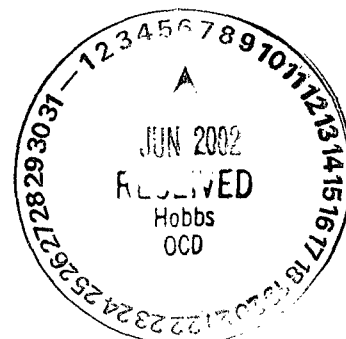
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator Quail Tools
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Odessa Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Unknown
7. Location of Material (Street Address or ULSTR) 400 Alabama, Odessa	8. State New Mexico
Texas	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

05-28-02A

Caustic vat sludge generated from emptying spent fluid/solids from a caustic vat.

Enclosed is certificate of waste status, analytical data, and chain of custody to extend this process through the year 2003.



Estimated Volume appx. 10 cu. yards yearly cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 05-28-02
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environmental Eng DATE: 6-7-02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 6/12/02

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

COMPANY / GENERATOR Quail Tools

ADDRESS 400 Alabama, Odessa, TX 79762

GENERATING SITE Same as above

COUNTY Ector STATE TX

TYPE OF WASTE Caustic vat sludge

ESTIMATED VOLUME 10 cu/yds/year

GENERATING PROCESS Emptying spent fluid/solids
from a Caustic vat

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING COMPANY _____

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

AGENT [Signature]

SIGNATURE

NAME Terry James

PRINTED

ADDRESS #9 E Industrial Loop

Midland, TX 79701

DATE 5/23/02

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

PROJECT # QST. 001. GCI

- ☐ CORRESPONDENCE
☐ REPORTS
☐ FIELD NOTES
☒ ANALYTICAL
☐ DRAWINGS
☐ INVOICES

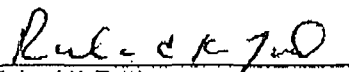
Sample Type: Sludge
Sample Condition: Intact/ 30 deg C
Project Name: Quall Tool
Project #: Caustic Vat
Project Location: Odessa, TX

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

		TCLP METALS (mg/L)							
ELT#	Field Code	Ag	As	Ba	Cd	Cr	Hg	Pb	Se
0101694-01	QT 001	ND	0.113	2.85	0.017	0.740	ND	0.424	0.104
REPORT LIMIT		0.002	0.008	0.001	0.001	0.002	0.002	0.011	0.004
QUALITY CONTROL		0.966	1.02	0.990	0.984	0.963	0.015	0.998	1.03
TRUE VALUE		1.00	1.00	1.00	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	0.206	0.002	0.015	<0.002	0.019	<0.004
SPIKE		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


Reland K. Tuttle

10-29-01
Date

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

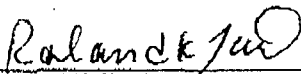
SampleType: Sludge
Sample Condition: Intact/ 30 deg C
Project Name: Quall Tool
Project #: Caustic Vat
Project Location: Odessa, TX

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

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

QUALITY CONTROL	507
TRUE VALUE	506
% INSTRUMENT ACCURACY	100
SPIKED AMOUNT	253
ORIGINAL SAMPLE	450
SPIKE	726
SPIKE DUP	669
% EXTRACTION ACCURACY	109
BLANK	<10
RPD	8.31

METHODS: EPA 418.1


Raland K. Tuttle

10-29-01
Date

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

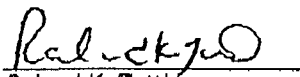
Sample Type: Sludge
Sample Condition: Intact/ 30 deg. C
Project Name: Quail Tool
Project #: Caustic Vat
Project Location: Odessa, TX

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

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	Total TPH 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	577	1113
% EXTRACTION ACCURACY	113	121	117
BLANK	<25	<25	<25
RPD	5.97	3.74	4.82

Methods: TNRCC 1005


Raland K. Tuttle

10-29-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!" L'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

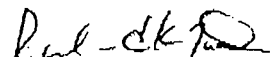
Sampling Date: 10/02/01
Receiving Date: 10/02/01
TCLP Extraction: 10/12/01
Analysis Date: 10/15/01
Field Code: QT 001

TCLP	REPORT	ELT#			
EPA SW846 8260B Compounds	LIMIT	0101694-01			
		mg/L	%EA	%DEV	RPD
Benzene	0.002	0.137	102	-0.4	5
Carbon tetrachloride	0.002	ND	104	-2.0	0
Chlorobenzene	0.002	0.003	99	1.5	0
Chloroform	0.002	ND	112	-2.3	3
1,4-Dichlorobenzene	0.002	ND	94	2.0	8
1,2-Dichloroethane	0.002	ND	105	4.8	6
1,1-Dichloroethylene	0.002	ND	112	-9.9	2
Methyl ethyl ketone	0.020	0.087	62	4.4	9
Tetrachloroethylene	0.002	ND	74	14.5	1
Trichloroethylene	0.002	ND	78	1.8	5
Vinyl chloride	0.002	ND	112	-1.0	4

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

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311


Raland K. Tuttle

10-29-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

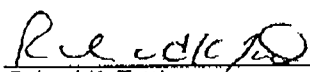
LLANO-PERMIAN ENVIRONMENTAL
ATTN: TERRY JAMES
1031 ANDREWS HWY. #115
MIDLAND, TEXAS 79701
FAX: 522-2180

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

ELT#	Field Code	REACTIVITY		CORROSIVITY (s.u.)	IGNITABILITY deg C
		H2S mg/kg	CN- mg/kg		
0101694-01	QT 001	<100	<50	13.72	>100
QUALITY CONTROL		7.92	0.087	9.93	N/A
TRUE VALUE		13.6	0.100	10.0	N/A
% INSTRUMENT ACCURACY		58	87	99	N/A
SPIKED AMOUNT		13.6	0.100	N/A	N/A
ORIGINAL SAMPLE		<5.0	<0.09	N/A	N/A
SPIKE		8.11	0.084	N/A	N/A
% EXTRACTION ACCURACY		60	84	N/A	N/A
BLANK		<5.0	<0.09	N/A	N/A
RPD		4.28	0	0.26	0.0
ANALYSIS DATE		10/10	10/05	10/03	10/11

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


Raland K. Tuttle

10-29-01
Date

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

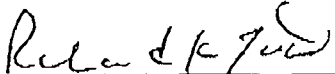
Sampling Date: 10/02/01
Receiving Date: 10/02/01
TCLP Extraction: 10/12/01
Analysis Date: 10/25/01
Field Code: QT 001

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 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

	% Recovery
2-Fluorophenol	76
Phenol-d5	81
Nitrobenzene-d5	96
2-Fluorobiphenyl	86
2,4,6-Tribromophenol	63
p-Terphenyl-d14	97

Method: SW 846-8270C,1311


Raland K. Tuttle

10-29-01
Date

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: A. Longenberry James

Company Name L. Lano - Peru

Company Address: 1031 Andrews Hwy #115

City/State/Zip: Milford, TX

Telephone No: 915 522 2133

Fax No: 915 528-2180

Sampler Signature: Kalvin Gray

Project Name: Quatu TDBL

Project #: EAUSMC VART

Project Loc: Oakville, TX

PO:

LAB INFORMATION		FIELD CODE		Date Sampled	Time Sampled	No. of Containers	Preservative						Matrix			TCLP		TOTAL		Analyze For:										
LAB #	DATE	PROJECT	LOCATION				Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TDS / CL / SAR / EC	TPH 418.1		TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	I, C, R	RUSH TAT (Pre-Schedule)	Standard TAT	
010169-01	Q1	Q1	001	10/24/01	1115	2						X			X				X	X	X	X	X	X	X	X	X	X	X	X
Special Instructions:		BILL QUART TOOL:		QUART TOOL		700 Adams St		Odds # 170		2936																				
Relinquished by:		Date		Time		Received by:		Date		Time		Date		Time		Date		Time												
Relinquished by:		Date		Time		Received by:		Date		Time		Date		Time		Date		Time												
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Relinquished by:		Date		Time		Received by:		Date		Time		Date		Time		Date		Time												
Relinquished by:		Date		Time		Received by:		Date		Time		Date		Time		Date		Time												

ANALYTICAL REPORT

Prepared for:

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

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

Certificates
US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LLANO PERMIAN ENVIRONMENTAL
#9 EAST INDUSTRIAL LOOP
MIDLAND, TX 79701
522-2180

Order#: G0203614
Project: QUT.001.GCI
Project Name: Quail Tool Vat Disposal
Location: Odessa, TX

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample:</u>	<u>Matrix:</u>	<u>Date / Time Collected</u>	<u>Date / Time Received</u>	<u>Container</u>	<u>Preservative</u>
0203614-01	Caustic Vat Water	WATER	6/11/02 11:00	6/11/02 11:16	2 oz glass	None
<u>Lab Testing:</u>		Rejected: No	Temp: 23.0 C			
pH						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

TERRY JAMES
LLANO PERMIAN ENVIRONMENTAL
49 EAST INDUSTRIAL LOOP
MIDLAND, TX 79701

Order#: G6203614
Project: QUT201.GCI
Project Name: Quail Trail Val Disposal
Location: Odessa, TX

Lab ID: 0203614-01
Sample ID: Caustic Vat Water

Test Parameters

Parameter	Result	Units	Dilution Factor	RI	Method	Date Analyzed	Analyst
pH	9.37	pH Units	1	N/A	150.1	6/11/02	SD

Approval:

Alfred K. Tuttle
Alfred K. Tuttle, Lab Director, QA Officer
Cheryl D. Keene, Org. Tech. Director
Jeanne McManis, Insp. Tech. Director
Sandra Blumhage, Lab Tech.
Sara Molina, Lab Tech.

Date

RI = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS, LTD.

12600 West 1-28 East, Odessa, TX 79765 Ph: 913-363-1800

Jun 11 02 04:37p

p. 4

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0203614

DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
WATER							
pH-pH Units		0203623-01	8.77		8.81		0.5%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
WATER							
pH-pH Units		0001965-04		10	10.03	100.3%	

Phone: 315-663-1800

Roger Anderson

District I - (505) 393-6161
 District II - (505) 748-1283
 District III - (505) 334-6178
 District IV - (505) 827-7131

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

Form C-138
 Originated 8/8/95

MAR 04 2002

Environmental Bureau
 Oil Conservation Division

Env. JN: 62008-001

Submit Original
 Plus 1 Copy
 to appropriate
 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

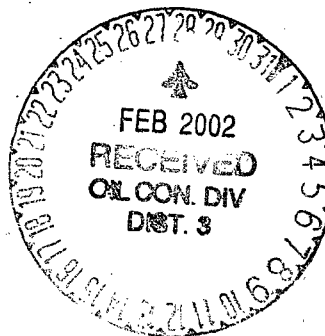
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>THRIFTWAY Corp.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>THRIFTWAY Refinery</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>County Route 5500 Bloomfield NM.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Bottom sludge at Evaporation ponds/LAGOONS

TCLP ATTACHED.

Denied
 Subject to Santa Fe
 review 2/28/02



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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-28-02
 Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn G. Kelly TITLE: Environmental Geologist DATE: 6/11/02



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
(505) 834-8170 Fax (505) 334-8170

JENNIFER A. SALISBURY
CABINET SECRETARY

RECEIVED
14:33PM - Pond Sludge
Terry Griffin
TCLP

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>Thritway Co. 501 Airport Dr - Suite 100 Farmington, NM 87401</i>	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <i>Thritway Bloomfield Refinery</i> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTRI):
4. Source and Description of Waste <i>Pond Sludge</i>	

I, TERRY GRIFFIN representative for:
(Print Name)
Biotech Remediation 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):
☐ 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): Terry Griffin
Title: Pres. Adm. - Bio Tech Remediation
Date: 2-27-02



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



PETER MAGGIORE
SECRETARY

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

RECEIVED

JUN 04 2002

Environmental Bureau
Oil Conservation Division

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).

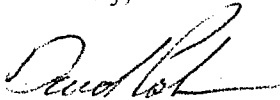
The BioTech Remediation letter also states that the crude oil tanks and sumps have not been used since December 1998. Based on the information provided in the letter, the sludge in the sumps was deposited prior to the February 1999 listing of crude oil storage tank sediment from refining operations and 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

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.

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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.

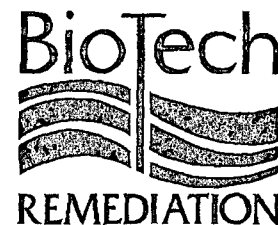
Sincerely,
Envirotech Inc.



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 Kielsing, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

RECEIVED APR 11 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' x 10' x 5') adjacent to them that were used to catch condensed water drawn off the bottom of the tanks, the other tanks had valves which leaked and stained soil needs to be removed. All tanks and associated sumps were last used when they were rented to Giant Industries. The tanks and sumps have not been used since December 1998.

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

Morris Young
April 10, 2002
Page 2

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

Respectfully,



Terry Griffin
Project Administrator

hmb/TG

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

RECEIVED

MAR 06 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 M. Brown
Geologist / Hydrogeologist
New Mexico Certified Scientist #083

cc:

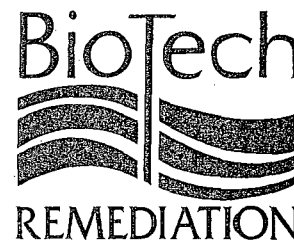
Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401
NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

RECEIVED

RECEIVED MAR 4 2002

MAR 06 2002

Environmental Bureau
Oil Conservation Division



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

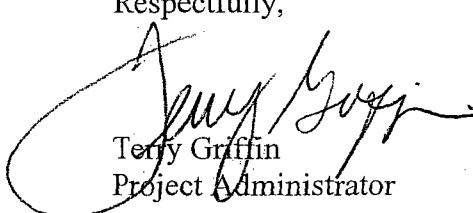
RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the above-referenced 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.

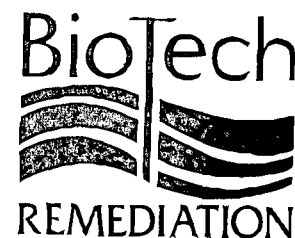
Respectfully,



Terry Griffin
Project Administrator

Cc: File

Post-It [®] brand fax transmittal memo 7671		# of pages ▶ 1
To <i>Harlen/Morris</i>	From <i>Terry</i>	
Co.	Co.	
Dept.	Phone #	
Fax # <i>652-1865</i>	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 above-referenced 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,

A handwritten signature in dark ink, appearing to read "Terry Griffin", is written over a circular stamp.

Terry Griffin
Project Administrator

Cc: File

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

February 22, 2002

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

Phone: (505) 327-4965

Dear Ms. Griffin,

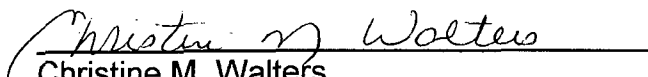
Enclosed are the analytical results for the sample collected from the location designated as "Thriftway Refinery Lagoons". One solid sample was collected by Envirotech designated personnel on 2/14/02, and received by the Envirotech laboratory on 2/14/02 for TCLP W/O Herbicides and Pesticides.

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
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/biotech.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Thriftway	Project #:	02008-001
Sample ID:	Evaporation Basin	Date Reported:	02-19-02
Lab ID#:	22039	Date Sampled:	02-14-02
Sample Matrix:	Solids	Date Received:	02-14-02
Preservative:	Cool	Date Analyzed:	02-15-02
Condition:	Cool and Intact	Chain of Custody:	8918

Parameter	Result
-----------	--------

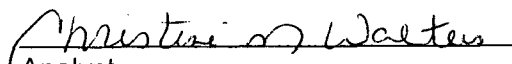
IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 8.08
REACTIVITY:	Negative	

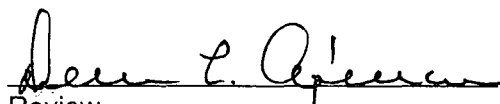
RCRA Hazardous Waste Criteria

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 sections 261.21 - 261.23, July 1, 1992.

Comments: (Biotech, Inc.) Thriftway Refinery Lagoons.


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (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.

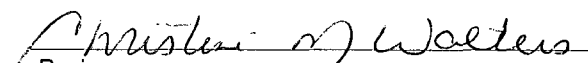
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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

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

Comments: (Biotech, Inc.) Thriftway Refinery Lagoons.


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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	98%
	2,4,6-Tribromophenol	99%

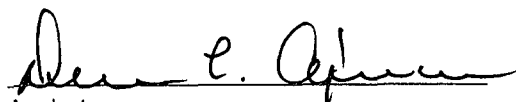
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

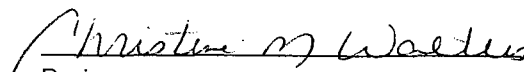
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: (Biotech Inc.) Thriftway Refinery Lagoons.


Analyst


Review

ENVIROTECH LABS

PRactical 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

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

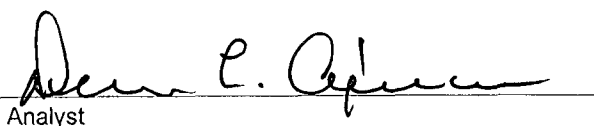
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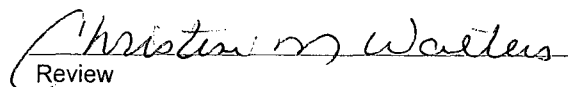
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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

Comments: (Biotech Inc) Thriftway Refinery Lagoons.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER 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

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

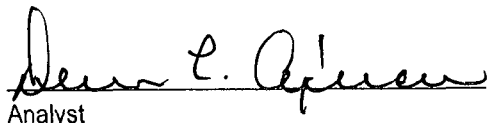
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

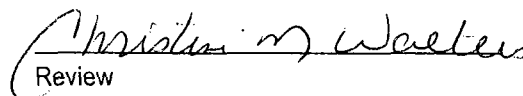
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

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:	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

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

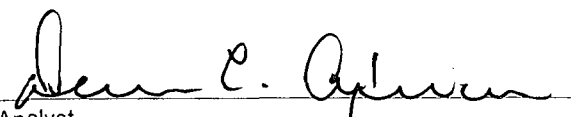
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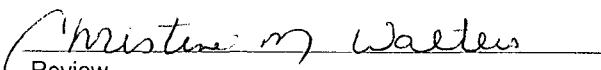
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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


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ENVIROTECH LABS

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:	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

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

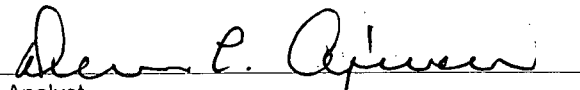
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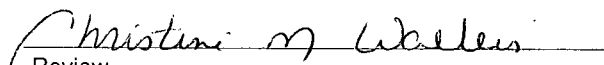
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

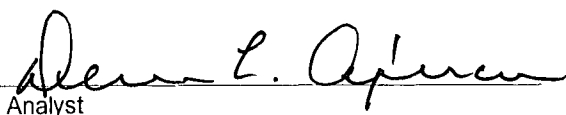
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-19-02
Laboratory Number:	22037	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	02-19-02
Condition:	N/A	Date Extracted:	02-14-02

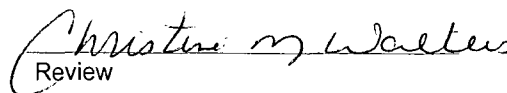
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0087	0.0087	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0018	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.

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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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 22037
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 02-19-02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-19-02
Date Extracted: 02-14-02

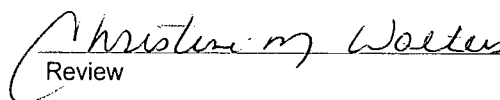
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0087	0.050	0.0577	0.0001	98%	47-132
Chloroform	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.


Analyst


Review

ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

EPA METHOD 8040

PHENOLS

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Laboratory Number:	02-20-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-02
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(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 %

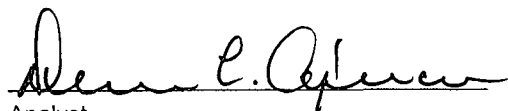
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

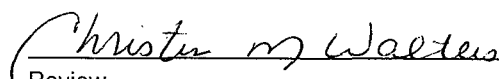
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

ENVIROTECH LABS

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%

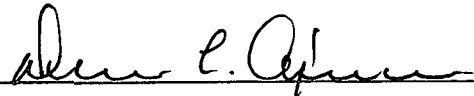
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

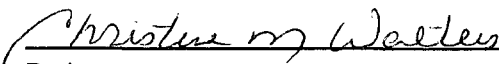
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

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

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

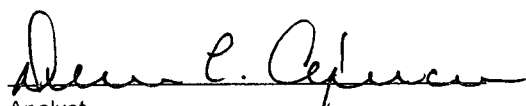
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

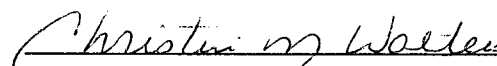
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

ENVIROTECH LABS

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:	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.

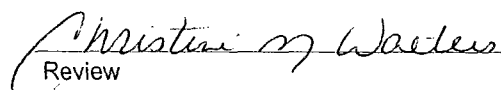
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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

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

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


Analyst


Review

ENVIROTECH LABS

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:	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

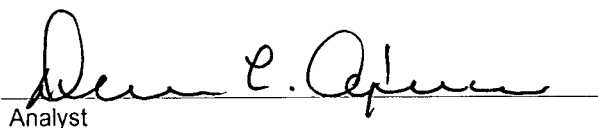
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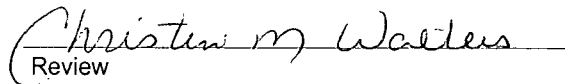
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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

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


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	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 Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	0.102	0.101	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	0.034	0.034	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

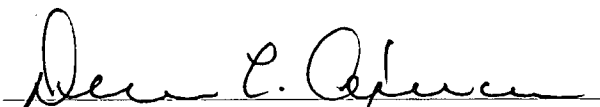
ND - Parameter not detected at the stated detection limit.

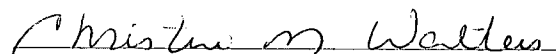
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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

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

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


Analyst


Review

ENVIROTECH LABS

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:	02-19-TCM QA/QC	Date Reported:	02-19-02
Laboratory Number:	22037	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	02-19-02
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.046	0.046	0.0%	0% - 30%
Barium	ND	ND	0.001	0.267	0.265	0.7%	0% - 30%
Cadmium	ND	ND	0.001	0.039	0.039	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.149	0.147	1.3%	0% - 30%
Lead	ND	ND	0.001	0.283	0.280	1.1%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance 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%

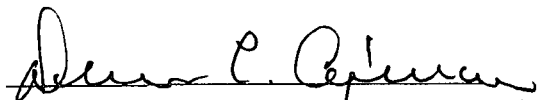
ND - Parameter not detected at the stated detection limit.

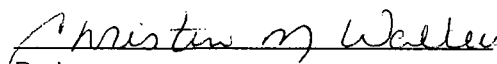
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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


Analyst


Review

08918

[illegible]

Roger Andrus

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

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

Form C-138
Originated 8/8/95
Submit Original
Plus 1 Copy
to appropriate
District Office
RECEIVED
MAR 04 2002
Environmental Bureau
Oil Conservation Division
Env. JN: 02008

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>THRIFTWAY Corp.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>THRIFTWAY Refinery</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>NEW MEXICO</u>
7. Location of Material (Street Address or ULSTR)	<u>County Road 5500 Bloomfield NM</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Sludge & water at crude Tank Sumps.

Denied
subject to Santa Fe
review 2/28/02



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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-28-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: Anthony J. Kelly TITLE: Environmental Geologist DATE: 6/11/02



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
(505) 334-6170 FAX (505) 334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>Thriftway Co. 501 Airport Dr. Suite 200 Farmington, NM 87401</i>	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <i>Thriftway Blomfield Refining</i> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTRI):
4. Source and Description of Waste <i>Crude tank sumps</i>	

I, TERRY GRIFFIN representative for:
(Print Name)
BIOTECH REMEDIATION
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):
☐ 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:

Terry Griffin
Proj. Mgr. - BioTech Remediation
2-27-02



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



PETER MAGGIORE
SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

JUN 04 2002

Environmental Bureau
Oil Conservation Division

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

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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.

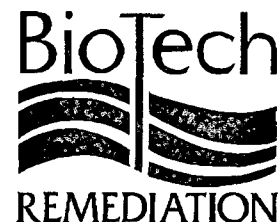
Sincerely,
Envirotech Inc.



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 11 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' x 10' x 5') adjacent to them that were used to catch condensed water drawn off the bottom of the tanks, the other tanks had valves which leaked and stained soil needs to be removed. All tanks and associated sumps were last used when they were rented to Giant Industries. The tanks and sumps have not been used since December 1998.

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

Morris Young
April 10, 2002
Page 2

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

Respectfully,



Terry Griffin
Project Administrator

hmb/TG

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

RECEIVED

MAR 06 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

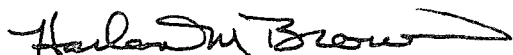
Dear Mr. Cobrain:

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

cc:

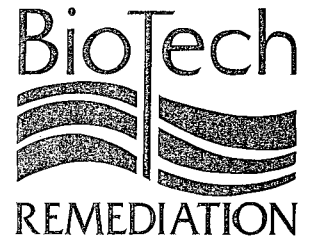
Bitotech Remediation; Ms. Terry Griffin, 501 Airport Drive Suite 504, Farmington, NM 87401
NMOCD, Martyne Kieling, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505

RECEIVED

RECEIVED MAR 4 2002

MAR 06 2002

Environmental Bureau
Oil Conservation Division



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

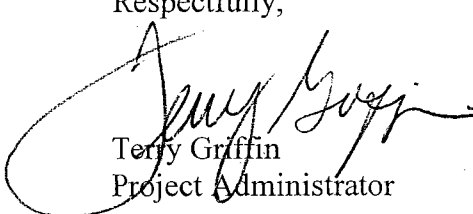
RE: Thriftway Bloomfield Refinery

Dear Morris:

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

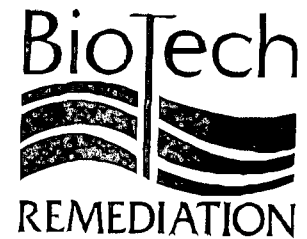
Thank you for your assistance. If you need any other information, please contact me at 505-327-4965.

Respectfully,


Terry Griffin
Project Administrator

Cc: File

Post-It [®] brand fax transmittal memo 7671		# of pages ▶ 1
To <i>Harlen/Morris</i>	From <i>Terry</i>	
Co.	Co.	
Dept.	Phone #	
Fax # <i>632-1865</i>	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

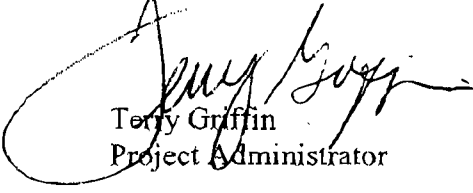
RE: Thriftway Bloomfield Refinery

Dear Morris:

Just a brief note to let you know that Giant's last active use of the tanks at the above-referenced 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,



Terry Griffin
Project Administrator

Cc: File

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

February 22, 2002

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

Phone: (505) 327-4965

Dear Ms. Griffin,

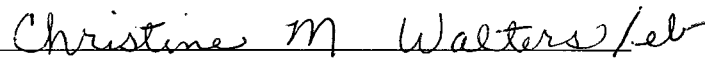
Enclosed are the analytical results for the sample collected from the location designated as "Hwy 550, NM". This is the water draw-off sumps at the Thriftway Refinery Crude Oil Tanks. One water sample was collected by Envirotech designated personnel on 2/14/02, and received by the Envirotech laboratory 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.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/biotech.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-19-02
Lab ID#:	22041	Date Sampled:	02-14-02
Sample Matrix:	Water	Date Received:	02-14-02
Preservative:	Cool	Date Analyzed:	02-15-02
Condition:	Cool and Intact	Chain of Custody:	8919

Parameter	Result
-----------	--------

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.84

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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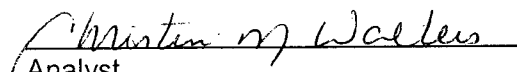
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

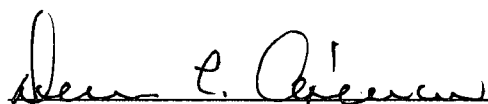
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Hwy 550, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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:	Cool	Date Analyzed:	02-19-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

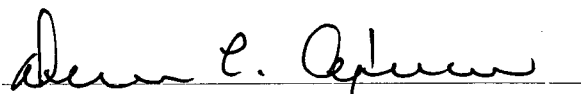
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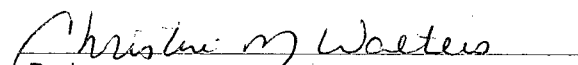
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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: Hwy 550, NM.


Analyst


Review

Client:	Thriftway	Project #:	02008-001
Sample ID:	SM-2 + SM-1	Date Reported:	02-20-02
Laboratory Number:	22041	Date Sampled:	02-14-02
Chain of Custody:	8919	Date Received:	02-14-02
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	02-20-02
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

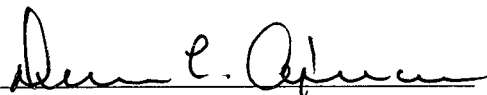
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

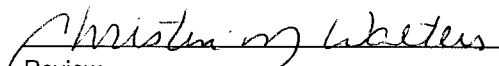
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Hwy 550, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

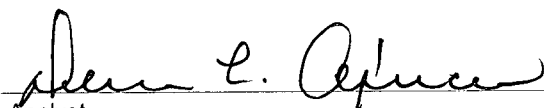
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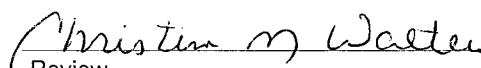
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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

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

Comments: Hwy 550, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

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
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

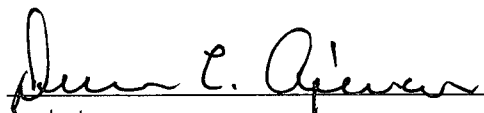
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

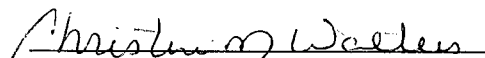
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: Hwy 550, NM.


Analyst


Review



QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

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:	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

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

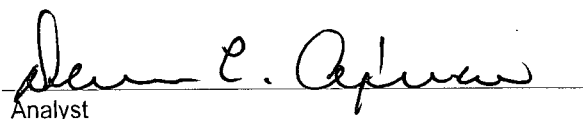
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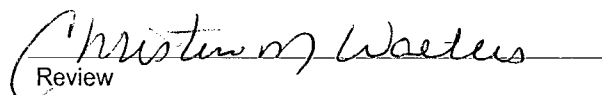
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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


Analyst


Review

ENVIROTECH LABS

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:	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

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

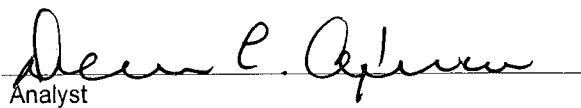
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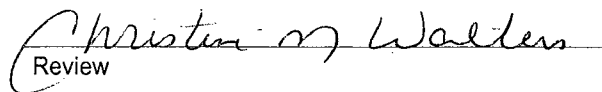
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 22037
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

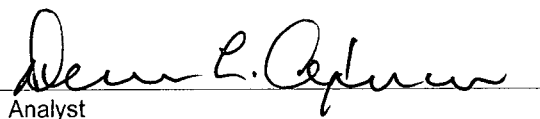
Project #: N/A
Date Reported: 02-19-02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-19-02
Date Extracted: 02-14-02

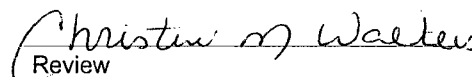
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0087	0.0087	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0018	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.

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.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 22037
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

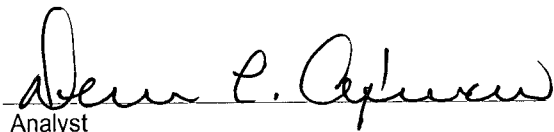
Project #: N/A
Date Reported: 02-19-02
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-19-02
Date Extracted: 02-14-02

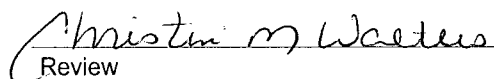
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0087	0.050	0.0577	0.0001	98%	47-132
Chloroform	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.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	02-20-02
Laboratory Number:	02-20-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-20-02
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(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 %

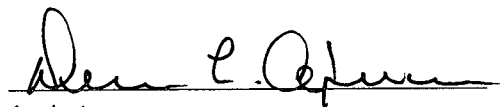
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

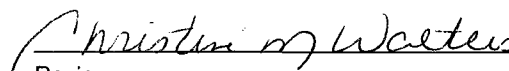
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

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%

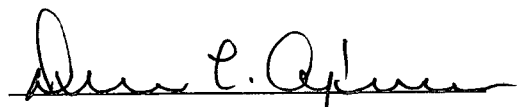
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

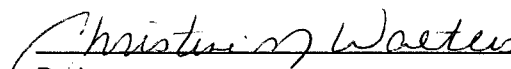
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

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

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

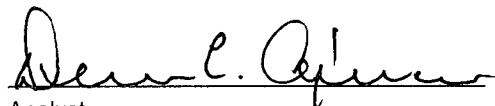
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

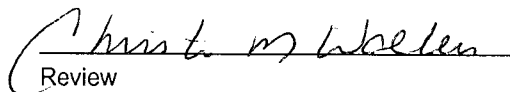
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

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


Analyst


Review

ENVIROTECH LABS

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:	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.

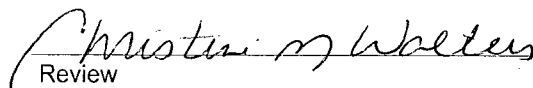
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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

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

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


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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:	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

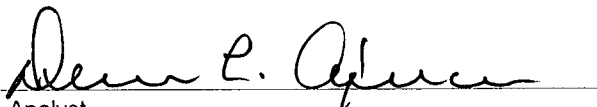
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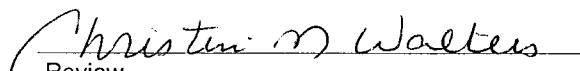
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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

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


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	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 Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	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

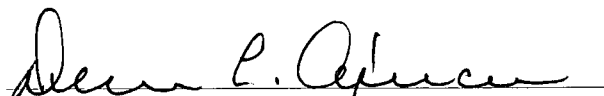
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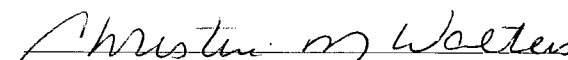
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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

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

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


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

Client:	QA/QC	Project #:	N/A
Sample ID:	02-19-TCM QA/QC	Date Reported:	02-19-02
Laboratory Number:	22037	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	02-19-02
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.046	0.046	0.0%	0% - 30%
Barium	ND	ND	0.001	0.267	0.265	0.7%	0% - 30%
Cadmium	ND	ND	0.001	0.039	0.039	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.149	0.147	1.3%	0% - 30%
Lead	ND	ND	0.001	0.283	0.280	1.1%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance 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%

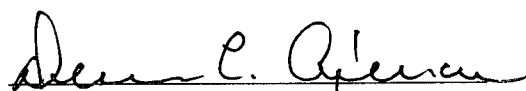
ND - Parameter not detected at the stated detection limit.

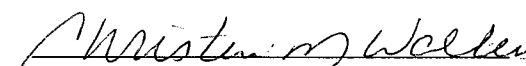
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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


Analyst


Review

08919

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

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

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

RECEIVED
JUN 03 2002
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95
Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 93212-004

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>CSI</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>SJ 30-5 #212</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Son's</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>"K" Sec 30 T30N R5W</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Compressor oil spill on skid; some oil leaked to ground
MSDS Attached.



Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-15-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Furt TITLE: Enviro/Engl DATE: 5/17/02
APPROVED BY: Martin J. H. TITLE: Environmental Geologist DATE: 6-3-02

060302-1



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) 374-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

93212-004

1. Generator Name and Address: COMPRESSOR SYSTEMS INC. P.O. BOX 1886 BLOOMFIELD, N.M. 87413	2. Destination Name: Envirotech Soil Remediation Facility, Landfarm #2 Hill top, N.M. 5796 US Hwy 64 Farmington, New Mexico 87401
3. Originating Site (name): 30-5-#212 UNIT # H10099 1061 FSL, 1540 FWL, SECTION 30, T30N - R5W RIO ARRIBA, COUNTY N.M. <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste COMPRESSOR OIL - BLOWN OIL LINE - LEAKING OIL ON SKID - MOST OF THE OIL WAS CONTAINED, BUT SOME REMAINS ON GROUND	

I, JIM DEAL representative for:

(Print Name)

COMPRESSOR SYSTEMS INC. 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

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

☐ Other (description):

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):

Jim Deal

Title: SERVICE LEAD MAN

Date: 4-1-02

May. 23 2002 08:16AM P3

FAX NO. :

FROM :



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

ADDITIVES

< 20.00%

COMPOSITION COMMENT:

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

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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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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 eye protection is normally required. Where splashing is

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CHEVRON HDA NG Screw Compressor Oil

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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 (Group 2B).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

This material is not expected to be harmful to aquatic organisms.

ENVIRONMENTAL FATE:

This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

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

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

DOT PACKING GROUP: NOT APPLICABLE

Revision Number: 0

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MSDS Number: 006852

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=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

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CHEVRON HDAX NG Screw Compressor Oil

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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, CRTG, P.O. Box 4054, Richmond, CA 94804

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

THIS IS THE LAST PAGE OF THIS MSDS

Revision Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

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

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

RECEIVED
JUN 03 2002
Environmental Bureau
Oil Conservation Division
Env. JN: 95212-003

Form C-138
Originated 8/8/9
Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>CSI</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>29-5#203</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>N 1/2 Sec 6, T29N, R 5W</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Compressor oil leaked from SKID to ground
MSDS Attached



Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-15-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Engr DATE: 5/17/02
APPROVED BY: Mark J. Hill TITLE: Environmental Geologist DATE: 6-3-02

060302-2



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178 Fax (505) 334-6178

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <u>COMPRESSOR SYSTEMS INC.</u> <u>P.O. BOX 1886</u> <u>BLOOMFIELD, N.M. 87413</u>	2. Destination Name: <u>Envirotech Soil Remediation Facility, Land Farm #2</u> <u>Hill Top, New Mexico</u> <u>5796 US Hwy 64</u> <u>FARMINGTON N.M. 87401</u>
3. Originating Site (name): <u>29-5-#803 UNIT #404709</u> <u>955' FNL, SECTION 6, TOWNSHIP T29-N, RANGE 25W</u> <u>RIO ARRIAGA COUNTY, N.M.</u> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste <u>COMPRESSOR BLEW OIL LINE, LEAKING OIL ON BKID - MOST OF THE OIL WAS</u> <u>CONTAINED, BUT SOME RAN ON GROUND</u>	

I, JIM DEAL representative for:
(Print Name)

COMPRESSOR SYSTEMS INC. 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):
☐ 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): Jim Deal

Title: SERVICE LEAD MAN

Date: 4-1-02



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

ADDITIVES

< 20.00%

COMPOSITION COMMENT:

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

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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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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 eye protection is normally required. Where splashing is

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CHEVRON HDAX NG Screw Compressor Oil

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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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Revision Date: 10/25/97

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CHEVRON HDAX NG Screw Compressor Oil

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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

Revision Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

CHEVRON HDAX NG Screw Compressor Oil

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15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=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 Number: 0

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
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.

THIS IS THE LAST PAGE OF THIS 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
District III - (505) 334-6178
Rio Brazos Road
Roswell, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 98065-024

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Universal Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Hole # 352</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	"A" <u>See 27, T31N, R08W</u>
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:

New Engine Oil Contaminated Soil; leaks @ Side cover gaskets & Tubing



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 4-30-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Fount TITLE: Enviro/Eng DATE: 5/1/02
APPROVED BY: Montgomery TITLE: Environmental Geologist DATE: 5-7-02

1-205050



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 Dr. Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): IALE 352 LEASE NO SF 079037 945 N 825 E SEC 27 T-31 R 08 SAN JUAN COUNTY	
Location of the Waste (Street address &/or ULSTR):	
Attach list of originating sites as appropriate	
4. Source and Description of Waste ENGINE OIL LEAK FROM SIDE COVER GASKETS, AND TUBING. New	

I, Kenneth Norris representative for:
(Print Name)

Universal Compression 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
- ☐ RCRA Hazardous Waste Analysis
- ☐ Chain of Custody

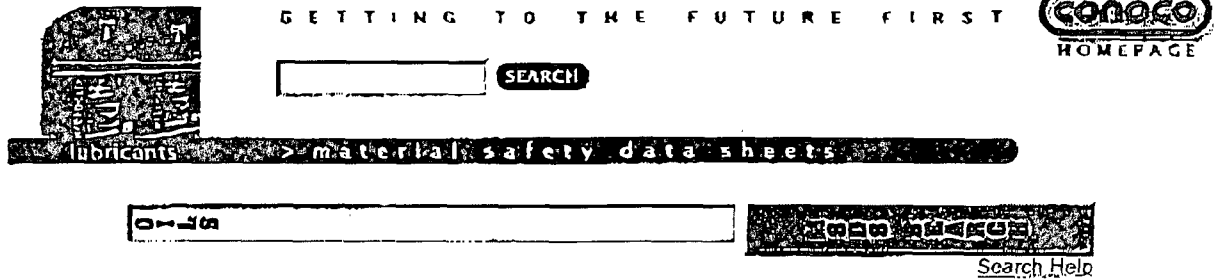
☒ Other (description): Knowledge of process
new oil

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): Kenneth Norris

Title: Field Supervisor

Date: 4-17-02

[Click here for the PDF version](#)

EL MAR GEO

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

EL MAR GEO

MSDS Code: MOTC0055

Revision Date: 19-Oct-2000

"EL MAR" is a registered trademark of Conoco.

Product Use: Natural Gas Engine Oil
Grade: 15W-40, 30/40
Conoco Blend Codes: 7511, 7512

MANUFACTURER/DISTRIBUTOR

Conoco Inc.
P.O. Box 2197
Houston, TX 77252

MANUFACTURER/DISTRIBUTOR

Conoco Inc.
PO Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information : 1-281-293-5550
Transport Emergency : CHEMTREC 1-800-424-9300 (domestic)
1-703-527-3887 (international; call collect)
Medical Emergency : 1-800-342-5119 or 1-281-493-2767

WEB SITE : www.conoco.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Numbers	%
Highly refined base oils	64741-88-4	30-100
	64741-89-5	0-60
Proprietary additives		0-15

If oil mist is generated, exposure limits apply. (See Section 8.)

3. HAZARDS IDENTIFICATION

--- EMERGENCY OVERVIEW ---

APPEARANCE / ODOR

Light brown liquid / mild petroleum hydrocarbon odor.

OSHA REGULATORY STATUS

This material is not known to be hazardous as defined under OSHA Regulations.

HMIS RATING

Lubricants - Material and Safety Data Sheets

Page 2 of 6

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, 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 (15W-40) : 205 C (401 F) (Minimum) Method: PMCC
235 C (455 F) (Typical) Method: COC
(30/40) : 263 C (505 F) (Typical) Method: COC

Autoignition : Not Available

NFPA Classification : Class IIIB Combustible Liquid.

NFPA Rating : Health 0; Flammability 1; Reactivity 0

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.

6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

Initial Containment

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

Spill Clean Up

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

7. HANDLING AND STORAGE

Handling (Personnel)

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

Handling (Physical Aspects)

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

Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

VENTILATION

Normal shop ventilation.

Personal Protective Equipment

RESPIRATORY PROTECTION

None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

EYE PROTECTION

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

OTHER PRECAUTIONS

Avoid any prolonged or repeated skin contact with "used" motor oil.

Lubricants - Material and Safety Data Sheets

Page 4 of 6

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, STEL 10 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Vapor Pressure : Nil
Vapor Density : >1 (Air=1.0)
% Volatiles : Nil
Evaporation Rate : Nil
Solubility in Water : Insoluble
Odor : Petroleum Hydrocarbon (mild).
Form : Liquid.
Color : Brown (light).
Specific Gravity : 0.87-0.88 @ 60 F (16 C)
Density : 7.31-7.34 lb/gal @ 60 F (16 C)

10. STABILITY AND REACTIVITY

Chemical Stability

Stable.

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.

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.

"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

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).

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 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

Page 6 of 6

NOTE: This product or any other hydrocarbon-based lubricant should not be used in non-diaphragm compressors that produce "breathing air" unless the outlet is monitored continuously for carbon monoxide. These lubricants can produce carbon monoxide when subjected to high temperatures.

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

Responsibility for MSDS : MSDS Coordinator

Address : Conoco Inc.

> : PO Box 2197

> : Houston, TX 77252

Telephone : 1-281-293-5550

Indicates updated section.

End of MSDS

Questions can be directed to our MSDS administrator

products	services	contacts	news and info
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District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

RECEIVED
MAY 06 2002

Environmental Bureau
Oil Conservation Division

Env. JN:

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator CSI
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site SJ 31-6 #208
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Paul & Sons
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	"K" Sec 6, T 30N, R 6W Rio Arriba
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

New and used tube oil @ a chronic leak on a compressor unit.



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 4-30-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Engr DATE: 5/1/02
APPROVED BY: Martyn Zick TITLE: Environmental Geologist DATE: 5/6/02

05602-1



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 934-6178 FAX (505) 374-61

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

Denny Faust
4.22.02
11:04.

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: COMPRESSOR SYSTEMS INC P.O. BOX 1886 BLOOMFIELD N.M. 87413	2. Destination Name: ENVIROTECH INC 5796 US HWY 64 FARMINGTON N.M. 87401
3. Originating Site (name): SAN JUAN 31-6 #208 UNIT 403675 SECO RANGE GW TOWNSHIP 30N 1765 FSL 1485FWL	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste NEW & USED OIL FROM DIFFERANT OIL LEAKS OVER A COUPLE OF YEARS	

1. PHILLIP RAY representative for:
(Print Name)

COMPRESSOR SYSTEMS INC 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
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

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): Phillip Ray

Title: LEAD SERVICE TECH

Date: 4/22/02

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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. Walters
Lab Coordinator / Environmental Scientist

enclosure

CMW/cmw

C:/files/labreports/Paul/.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

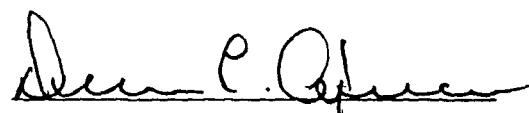
ND - Parameter not detected at the stated detection limit.

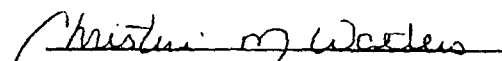
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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


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 Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.036	0.036	0.0%	0% - 30%
Barium	ND	ND	0.001	3.22	3.20	0.6%	0% - 30%
Cadmium	ND	ND	0.001	0.027	0.027	0.0%	0% - 30%
Chromium	ND	ND	0.001	2.19	2.17	0.9%	0% - 30%
Lead	ND	ND	0.001	1.66	1.65	0.6%	0% - 30%
Mercury	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.022	0.022	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

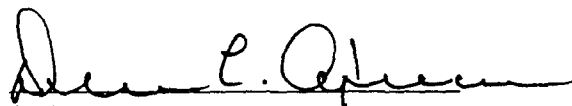
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recover	Acceptance Range
Arsenic	0.500	0.036	0.534	99.6%	80% - 120%
Barium	0.500	3.22	3.70	99.5%	80% - 120%
Cadmium	0.500	0.027	0.525	99.6%	80% - 120%
Chromium	0.500	2.19	2.66	98.9%	80% - 120%
Lead	0.500	1.66	2.14	99.1%	80% - 120%
Mercury	0.050	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%

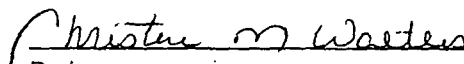
ND - Parameter not detected at the stated detection limit.

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 Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 22572 - 22574 and 22581.


Analyst


Review

09887

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Roger Anderson

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

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

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Environmental Bureau
Oil Conservation Division

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Submit Original
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to appropriate
District Office

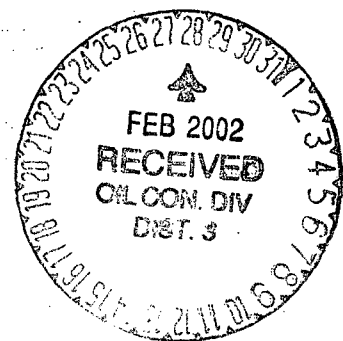
Env. JN: 98059-009

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Universal Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>SJ 30-6 #416</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>"K" Sec 24, T30N, R7W</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Clean up of new motor oil spill



Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 02-28-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Fent TITLE: Enviro/Engl DATE: 02/28/02
APPROVED BY: Martin Galt TITLE: Environmental Geologist DATE: 3-4-02

1-201030



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 INC. 3440 MORNING STAR DRIVE, FARMINGTON NM, 87401	2. Destination Name: Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): SAN JUAN 30-6 # 416	Location of the Waste (Street address &/or ULSTR): "K" Sec 24, T30N, R7W Rio Arriba County NM.
Attach list of originating sites as appropriate	
4. Source and Description of Waste MOTOR OIL - Cow kicked open valve on new Conoco EL MAR 3000 motor oil storage tank, soil contaminated around storage tank HUB	

I, Jim Lewis representative for:

(Print Name)

UNIVERSAL COMPRESSION 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):

☐ RCRA Hazardous Waste Analysis

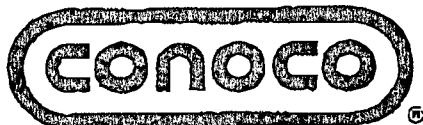
☐ Chain of Custody

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): [Signature]

Title: AREA Supervisor

Date: 6-28-01



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	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components Material

CAS Number %

Highly refined base oils >80

Proprietary additives <20

If oil mist is generated, exposure limits apply.

(Continued)

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)

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)

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 NIOSH-approved 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

(Continued)

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)
5 mg/m3, 8 Hr. TWA

AEL * (DuPont)

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

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Heat, sparks, and flames.

Incompatibility with Other Materials

Incompatible or can react with oxidizers.

Decomposition

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

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

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

"USED" Motor Oil -

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

(Continued)

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

(Continued)

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**

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating	
Health	1
Flammability	1
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(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.

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

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

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

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MAR 04 2002

Environmental Bureau
Oil Conservation Division

Form C-138

Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 98059-009

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Universal Compression
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site SJ-29-7-552
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	"N" Sec 12, T29N R7W
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Clean up of a compressor oil spill.



Estimated Volume 13 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 02.27.02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro/Engl DATE: 02/28/02
APPROVED BY: [Signature] TITLE: Environmental Geologists DATE: 3-4-02

2-140204-2

RECEIVED JUN 29 2001

SJ 29-7 #552



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

<p>1. Generator Name and Address: UNIVERSAL COMPRESSION INC, 3440 MORNING STAR DRIVE, FARMINGTON, NM 87401</p>	<p>2. Destination Name: Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico</p>
<p>3. Originating Site (name): SAN JUAN 29-7-552</p>	<p>Location of the Waste (Street address &/or ULSTR): "N" Sec 12, T29N, R 7W Rio Arriba County.</p>
<p>Attach list of originating sites as appropriate</p>	
<p>4. Source and Description of Waste COMPRESSOR OIL; Line breather inlet compressor oil line. Soil Contamination around Compressor. <i>HUB</i></p>	

I, Jim Lewis representative for:
(Print Name)
UNIVERSAL COMPRESSION INC, 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):

☐ 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): *Jim Lewis*

Title: Area Supervisor

Date: 6-28-01



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	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components**Material****CAS Number****%**

Highly refined base oils		>80
--------------------------	--	-----

Proprietary additives		<20
-----------------------	--	-----

If oil mist is generated, exposure limits apply.

(Continued)

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)

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)

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 NIOSH-approved 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

(Continued)

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

STABILITY AND REACTIVITY

Chemical Stability
Stable at normal temperatures and storage conditions.

Conditions to Avoid
Heat, sparks, and flames.

Incompatibility with Other Materials
Incompatible or can react with oxidizers.

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

Polymerization
Polymerization will not occur.

TOXICOLOGICAL INFORMATION

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

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

(Continued)

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

(Continued)

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**

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating

Health	1
Flammability	1
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

(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.

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

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

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

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Environmental Bureau
Oil Conservation Division
Env. JN: 01038

Form C-138
Originated 8/8/99
Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Compressor Systems Inc.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>NE Blawcott 438</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>NEE Sec 18, T31N, R6W San Juan County NM.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

New lube oil upset @ loose filter gasket.



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 02-08-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Fort TITLE: Enviro/Eng DATE: 02/14/02
APPROVED BY: Walter J. Kelly TITLE: Environmental Geologist DATE: 02/20/02

1-700220



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: COMPRESSOR SYSTEMS INC. P.O. Box 1886 Bloomfield NM 87413	2. Destination Name: Envirotech Inc. LANDFARM #2 5796 US Hwy 64 Hilltop, NM. Farmington, NM 87401
3. Originating Site (name): NEBU 438 (UNIT # 404408) 1210' FNL - 1245 FEL ; SECTION 18 ; TOWNSHIP 31 NORTH ; RANGE 6 WEST SAN JUAN COUNTY NM. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste COMPRESSOR OIL WHICH LEAKED OUT BY MEANS OF A FILTER O-RING THAT RETURNED ON A SCHEDULED MAINTENANCE AFTER OIL WAS CHANGED. MOST OF THE OIL WAS CONTAINED BUT SOME RAN ONTO GROUND	

I, DANIEL RAE representative for:
(Print Name)
COMPRESSOR SYSTEMS INC. 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
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☐ Other (description):

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): Daniel Rae

Title: MAINTENANCE SUPERINTENDENT

Date: 2/6/02

May. 23 2001 08:16AM P3

FAX NO. :

FROM :



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

ADDITIVES
< 20.00%

COMPOSITION COMMENT:

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

Revision Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

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

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~~

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

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

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=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 Number: 0

Revision Date: 10/25/97

MSDS Number: 006852

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
Al-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

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

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

THIS IS THE LAST PAGE OF THIS 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
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 01038-00

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Compressor Systems Inc.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>NE Blanco 456</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Paul & Sons</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>NW NE Sec 26, T31N, R7W San Juan County, N.M.</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

USED Lubricant oil upset @ a broken line,



Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 02-08-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Larry Faint TITLE: Enviro/Eng DATE: 02/14/02
APPROVED BY: Walter M. H. TITLE: Environmental Geology DATE: 02/10/02

02/10/02 - 1



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: COMPRESSOR SYSTEMS INC. P.O. Box 1886 BLOOMFIELD, NM 87413	2. Destination Name: ENVIROTECH INC. LANDFARM #2 5796 HWY 64 (Hilltop, NM). Farmington, NM. 87401
3. Originating Site (name): NEBU 456 (UNIT # 410163) SECTION 26; RANGE 7 WEST; TOWNSHIP 31 NORTH; COUNTY SAN JUAN 1340 FEET FNL; 1105 FEET FEL Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste COMPRESSOR OIL WHICH LEAKED BY MEANS OF A BROKEN OIL LINE ON COMPRESSOR AND MOST WAS CONTAINED BUT SOME RAN ONTO GROUND	

I, DANIEL RAE representative for:
(Print Name)
COMPRESSOR SYSTEMS INC. 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):
☒ 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): Daniel Rae

Title: MAINTENANCE SUPERINTENDENT

Date: 2/6/02

May. 23 2001 08:16AM P3

FAX NO. :

FROM :

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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,

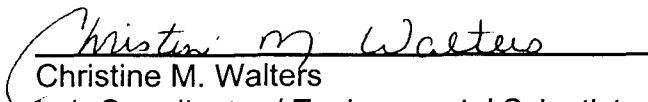
Enclosed are the analytical results for the sample collected from the location designated as "CSI NEBU 456". One soil sample was collected by Paul & Sons Const. designated personnel on 2/06/02, and delivered to the Envirotech laboratory on 2/07/02 for Total Metals RCRA list analysis.

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

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

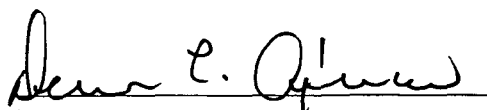
ND - Parameter not detected at the stated detection limit.

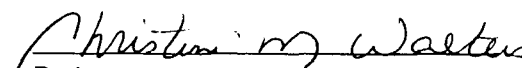
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, 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.**


Analyst


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:	02-07-TM QA/QC	Date Reported:	02-07-02
Laboratory Number:	22005	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-07-02
Condition:	N/A	Date Digested:	02-07-02

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.006	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%

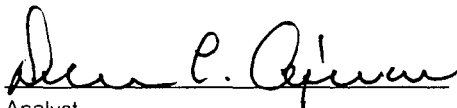
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.006	0.505	99.8%	80% - 120%
Barium	0.500	5.59	6.10	100.2%	80% - 120%
Cadmium	0.500	0.060	0.558	99.6%	80% - 120%
Chromium	0.500	2.31	2.80	99.6%	80% - 120%
Lead	0.500	4.86	5.32	99.3%	80% - 120%
Mercury	0.050	0.001	0.050	98.0%	80% - 120%
Selenium	0.500	0.002	0.501	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

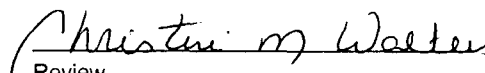
ND - Parameter not detected at the stated detection limit.

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 Emission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 22005 - 22006.


Analyst


Review

09778

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 95026

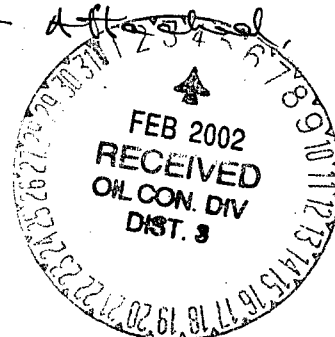
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>BJ. Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Sledge Pkt.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>3250 Southside River Rd Farmington, NM 87401</u>
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Continuation of Washbay Solids.

TCLP & REAFFIRMATION Statement Attached



Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 01-31-02
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Faint TITLE: Enviro/Engl DATE: 02/09/02
APPROVED BY: Martine Phillips TITLE: Environmental Geologist DATE: 02/11/02



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: B J. Services 3250 Southside River Rd Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): Wash bay	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Continuation of Wash bay Solids.	

I, Les Baugh representative for:
(Print Name)
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):
☒ 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): Les Baugh

Title: Facilities Super

Date: 1/31/02