

NM1-11

C-138

Date: 2006

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Verbal approval July 31, 2006 Brandon Powell	4. Generator: Williams Field Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Trunk N CDP Station
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Units B&G; S 17; T 32N; R 7W; San Juan County	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil contaminated with lube oil and antifreeze from compressor skid. RCRA 8 metals dated 7/19/06 revealed the following levels: Arsenic 0.064 mg/Kg; Barium 15.8 mg/Kg; Cadmium 0.830 mg/Kg; Chromium nondetect; Lead 0.265 mg/Kg; Mercury 0.01 mg/Kg; Selenium nondetect; Silver nondetect. RCI dated 7/19/06 shows a PH of 8.43 with ignitability, corrosivity and reactivity all negative.

CWS and analyticals attached

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

SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: July 31, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D. Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>8/9/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Eng</u>	DATE: <u>8/30/06</u>

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3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Units B&G; S 17; T 32N; R 7W; San Juan County	Project # 00068-049
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CWS and analyticals attached

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Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: July 31, 2006

TYPE OR PRINT NAME: Morris D. Young

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: BP

TITLE: Enviro Spec

DATE: 8/2/06

APPROVED BY: _____

TITLE: _____

DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Williams Field Services Co. 188 County Road 4900 Bloomfield, NM 87413	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Trunk N CDP Station	Location of Waste (Street address &/or ULSTR): Units B & G , Section 17, T32N, R7W, San Juan Co. NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with lube oil and antifreeze from compressor skid	

I, David Bays representative for:
Print Name

Williams Field Service 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)
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): David Bays

Title: Sr. Environmental Specialist

Date: July 18, 2006

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Hanover Compression	Project #:	99043-014
Sample ID:	Composite	Date Reported:	07-19-06
Lab ID#:	37862	Date Sampled:	07-18-06
Sample Matrix:	Soil	Date Received:	07-18-06
Preservative:	Cool	Date Analyzed:	07-18-06
Condition:	Cool and Intact	Chain of Custody:	1215

Parameter	Result
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IGNITABILITY: **Negative**

CORROSIVITY: **Negative** **pH = 8.43**

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.)
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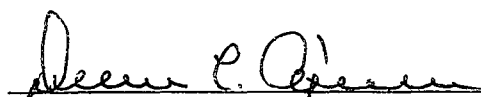
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
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REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (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)
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Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Trunk N Compressor Spill**


Analyst


Review

Client:	Hanover Compression	Project #:	99043-014
Sample ID:	Composite	Date Reported:	07-19-06
Laboratory Number:	37862	Date Sampled:	07-18-06
Chain of Custody:	1215	Date Received:	07-18-06
Sample Matrix:	Soil	Date Analyzed:	07-19-06
Preservative:	N/A	Date Digested:	07-18-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.064	0.001	5.0
Barium	15.8	0.001	100
Cadmium	0.830	0.001	1.0
Chromium	ND	0.001	5.0
Lead	0.265	0.001	5.0
Mercury	0.01	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

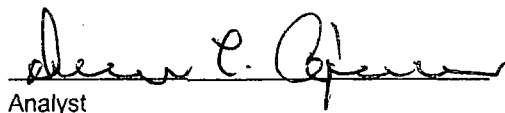
ND - Parameter not detected at the stated detection limit.

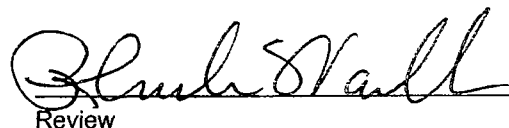
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Trunk N Compressor Spill**


Analyst


Review

VIROTECH LABS

ANALYTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	07-19 TM QA/AC	Date Reported:	07-19-06
Laboratory Number:	37861	Date Sampled:	N/A
Sample Matrix:	Sludge	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	07-19-06
Condition:	N/A	Date Digested:	07-18-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.017	0.017	0.0%	0% - 30%
Barium	ND	ND	0.001	8.32	8.35	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.340	0.337	0.9%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	0.029	0.029	0.0%	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%

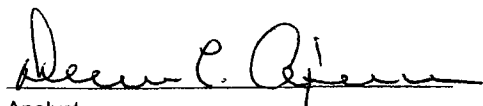
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.017	0.516	99.8%	80% - 120%
Barium	0.500	8.32	8.80	99.8%	80% - 120%
Cadmium	0.500	0.340	0.838	99.8%	80% - 120%
Chromium	0.500	ND	0.498	99.6%	80% - 120%
Lead	0.500	0.029	0.527	99.6%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%


ND - Parameter not detected at the stated detection limit.

References: Method 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 37861 - 37862**

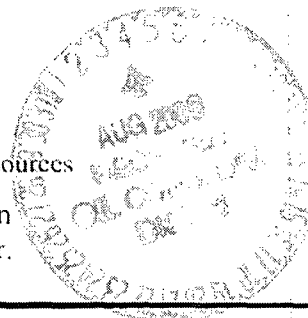

Analyst


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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Sec 4; T 30N; R 12W	Project #99043-026
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:

Accept soil from spill cleanup on site. Soil contaminated with antifreeze that spilled from bulk storage on site.

CWS and MSDS for Coastal Chemical product Thermguard 50 antifreeze attached.

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

SIGNATURE Morris D. Young TITLE: President DATE: 08/02/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro. Comm.</u>	DATE: <u>8/15/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro. Eng.</u>	DATE: <u>9/5/06</u>

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TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

05-01-06;08:42AM;

4/ 2



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

99043-

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary**Lori Wrotenbery**

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address HANOVER 1280 TROY KING RD. FARMINGTON, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): WILLIAMS' THOMPSON COMPRESSOR STATION attach list of originating sites as appropriate	
Location of the Waste (Street address &/or ULSTR): SEC. 4 T30N R12W	
4. Source and Description of Waste COASTAL CHEM. THERMGUARD 50 ANTIFREEZE SPILLED FROM BULK STORAGE TANK ONTO GROUND, MIXED WITH SOIL	

I, **MICHAEL BALCAR** representative for:
Print Name

HANOVER 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): **Michael Balcar**

Title: **AREA MANAGER**

Phone Number: **505 - 566 - 5212**

Date: **8/2/06**

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	ThermGuard 50	Code	Not available.
Supplier	COASTAL CHEMICAL CO.,L.L.C. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 337-893-3862	MSDS#	Not available.
Synonym	Not available.	Validation Date	03/16/2000
Trade name	Not available.	Print Date	10/05/2000
Material Uses	Industrial applications: Coolant and antifreeze.	In case of Emergency	Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Joe Hudman 713-477-6675
Manufacturer	Coastal Chemical Co., Inc. 3520 Veterans Memorial Drive Abbeville, La.		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
1) Ethylene Glycol	107-21-1	50	CEIL: 39.4 (ppm) CEIL: 100 (mg/m ³)	ORAL (LD50): Acute: 4700 mg/kg [Rat]. DERMAL (LD50): Acute: 9530 mg/kg [Rabbit].

Section 3. Hazards Identification

Emergency Overview	CAUTION! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. Repeated or prolonged exposure to the substance can produce kidney damage.
Routes of Entry	Ingestion.
Potential Acute Health Effects	Very dangerous in case of ingestion. Very slightly to slightly dangerous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation. This product may irritate eyes and skin upon contact.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. The substance is toxic to kidneys, the nervous system, the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4. First Aid Measures

Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.

Continued on Next Page

Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	The lowest known value is 398°C (748.4°F) (Ethylene Glycol).
Flash Points	The lowest known value is CLOSED CUP: 116°C (240.8°F). OPEN CUP: 111°C (231.8°F). (Cleveland). (Ethylene Glycol)
Flammable Limits	The greatest known range is LOWER: 3.2% UPPER: 15.3% (Ethylene Glycol)
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Very slightly to slightly flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	When heated to decomposition, it emits acrid smoke and irritating fumes. (Ethylene Glycol)
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Safety glasses. Lab coat. Gloves (impervious). Wear appropriate respirator when ventilation is inadequate.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Chemical Name or Product Name	CAS #	Exposure Limits
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Continued on Next Page

1) 1,2-Ethanediol

107-21-1

CEIL: 39.4 (ppm) CEIL: 100 (mg/m³)**Section 9. Physical and Chemical Properties**

Physical state and appearance	Liquid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Neutral.	Color	Not available.
Boiling Point	The lowest known value is 198°C (388.4°F) (Ethylene Glycol).		
Melting Point/Pour Point	May start to solidify at -13.5°C (7.7°F) based on data for: Ethylene Glycol.		
Critical Temperature	Not available.		
Specific Gravity	1.06 (Water = 1)		
Vapor Pressure	The highest known value is 0.05 mm of Hg (@ 20°C) (Ethylene Glycol).		
Vapor Density	The highest known value is 2.1 (Air = 1) (Ethylene Glycol).		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/Oil Dist. Coeff.	The product is much more soluble in water.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water, methanol, diethyl ether.		
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Very slightly soluble in n-octanol.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, alkalis.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Not available.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 4700 mg/kg (Rat) Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit.)
Chronic Effects on Humans	The substance is toxic to kidneys, the nervous system, the reproductive system, liver.
Other Toxic Effects on Humans	Very dangerous in case of ingestion. Very slightly to slightly dangerous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation.
Special Remarks on Toxicity to Animals	Toxic for humans or animal life. (Ethylene Glycol)

Continued on Next Page

Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (Ethylene Glycol)

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Disposal	Follow local, state, and federal guidelines.
----------------	--

Section 14. Transport Information

Proper Shipping Name	Drums - Not Regulated Bulk (> 1000 gals.) - Regulated Environmentally hazardous substances, liquid, N.O.S. (Ethylene Glycol)
DOT Classification	DOT CLASS 9: Miscellaneous hazardous material.
DOT Identification Number	UN3082
Packing Group	III
Hazardous Substances Reportable Quantity (kg)	10001.7lbs. (4535.9 kg)
Special Provisions for Transport	No additional remark.

Section 15. Regulatory Information

Federal and State Regulations	The following product(s) is (are) listed on SARA 313: , Ethylene Glycol The following product(s) is (are) listed by the State of Massachusetts: Ethylene Glycol The following product(s) is (are) listed on TSCA: Ethylene Glycol	
Other Classifications	WHMIS (Canada)	WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
	DSCL (EEC)	Not controlled under DSCL (Europe).

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	*	2
Fire Hazard		1
Reactivity		0
Personal Protection		B

National Fire Protection
Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References Not available.

Other Special
Considerations No additional remark.

Validated by Joe Hudman on 03/16/2000.

Verified by Joe Hudman.

Printed 10/05/2000.

Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> <i>Brandon Powell 5/10/06 8:33 a.m.</i>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Houck Com #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSIR) Unit I, S 1, T 29N, R 10W San Juan County	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 10 cy soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 5/03/06 revealed the following levels:

Arsenic 0.770 mg/Kg; Barium 5.75 mg/Kg; Cadmium 0.069mg/Kg; Chromium 0.210 mg/Kg; Lead 0.694 mg/Kg; Mercury nondetect; Selenium nondetect; and Silver nondetect.

CWS and analyticals are attached.

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

SIGNATURE *Morris D. Young* TITLE: Landfarm Manager DATE: 05/10/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <i>Brandon Powell</i>	TITLE: <i>Enviro/spec</i>	DATE: <i>5/10/06</i>
APPROVED BY: <i>Martin</i>	TITLE: <i>Env Eng</i>	DATE: <i>9-6-06</i>

CHAIN-OF-CUSTODY RECORD

Client: BLAC ENGINEERING, INC.

Address: P.O. Box 27
BLOOMFIELD, NM 87413

Phone #: 505-632-1199

Fax #:

QA/QC Package:

Std ☐ Level 4 ☐

Other:

Project Name:

ATLANTIC B LS 1

Project #:

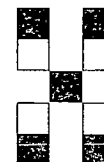
Project Manager:

JEFF BLAC

Sampler:

Sample Temperature:


J-H Blac
40



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

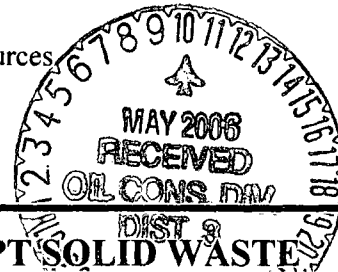
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative			HEAL No.		BTEX + MT	TPH Metho	TPH (Meth	EDB (Meth	EDC (Meth	8310 (PNA	RCRA 8 Me	Anions (F, C	8081 Pesti	8260B (VO	8270 (Sem	CHLOS				Air Bubbles
					HgCl ₂	HNO ₃																			
12-15-05	0950	SOIL	PROD.	1-402				0512228																	
"	1015	"	ABANDON #1	"				-1	X		X														
								-2	X		X														

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1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> <i>Brandon Powell 5/10/06 8:33 a.m.</i>	4. Generator: <i>Conoco Phillips</i>
2. Management Facility Destination: <i>Envirotech Soil Remediation Facility, Landfarm #2</i>	5. Originating Site: <i>Houck Com #1</i>
3. Address of Facility Operator: <i>5796 U.S. Highway 64, Farmington, NM 87401</i>	6. Transporter: <i>TBA</i>
7. Location of Material (Street Address or ULSTR) <i>Unit I, S 1, T 29N, R 10W San Juan County</i>	8. State: <i>New Mexico</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. <input checked="" type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 10 cy soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 5/03/06 revealed the following levels:
Arsenic 0.770 mg/Kg; Barium 5.75 mg/Kg; Cadmium 0.069mg/Kg; Chromium 0.210 mg/Kg; Lead 0.694 mg/Kg; Mercury nondetect; Selenium nondetect; and Silver nondetect.

CWS and analyticals are attached.

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

SIGNATURE *Morris D. Young* TITLE: Landfarm Manager DATE: 05/10/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *BP* TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Houck Com #1 API # 30-045-25797 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit I, Section 1, T29N, R10W 1580' FSL & 890' FEL San Juan County, New Mexico
4. Source and Description of Waste Approximately 10 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 5-3-06 revealed the following levels: Arsenic 0.770 mg/Kg; Barium 5.75 mg/Kg; Cadmium 0.069 mg/Kg; Chromium 0.210 mg/Kg; Lead 0.694 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 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-exempt non-hazardous waste defined above.

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

 MSDS Information Other (description)
X 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):

Monica D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: May 9, 2006

15869

san juan reproduction 578-129

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Oil & Gravel Dirt	Date Reported:	05-03-06
Laboratory Number:	37006	Date Sampled:	05-02-06
Chain of Custody:	15869	Date Received:	05-03-06
Sample Matrix:	Soil	Date Analyzed:	05-03-06
Preservative:	N/A	Date Digested:	05-03-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.770	0.001	5.0
Barium	5.75	0.001	100
Cadmium	0.069	0.001	1.0
Chromium	0.210	0.001	5.0
Lead	0.694	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

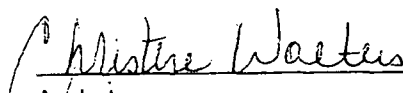
ND - Parameter not detected at the stated detection limit.

References: Method 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: 29-10 Houck Com 1.


Analyst


Review

VIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	05-03 TM QA/AC	Date Reported:	05-03-06
Laboratory Number:	37003	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	05-03-06
Condition:	N/A	Date Digested:	05-02-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.096	0.097	0.6%	0% - 30%
Barium	ND	ND	0.001	24.09	24.07	0.1%	0% - 30%
Cadmium	ND	ND	0.001	0.009	0.009	2.2%	0% - 30%
Chromium	ND	ND	0.001	0.835	0.846	1.3%	0% - 30%
Lead	ND	ND	0.001	0.599	0.600	0.2%	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	0.008	0.008	0.0%	0% - 30%

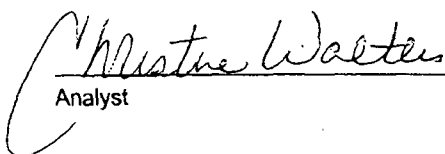
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.096	0.633	106.2%	80% - 120%
Barium	0.500	24.09	24.4	99.2%	80% - 120%
Cadmium	0.500	0.009	0.558	109.6%	80% - 120%
Chromium	0.500	0.835	1.307	97.9%	80% - 120%
Lead	0.500	0.599	1.06	96.5%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	0.008	0.502	98.8%	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 37003 - 37004 and 37006.


Analyst


Review

Date 5/3/06Analyst CWalter

RCRA Trace Metals Analysis

Concentration (mg/Kg)

5.00 grams/50 ml

No	Digestion Date	Sample	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
1	5/2/06	37003	.0964	24.09	.0092	.8350	.5988	4.001	4.001	.0081
dupe			.0970	24.07	.0090	.8462	.6000	4.001	4.001	.0080
2		37004	.0951	10.53	.0386	.5322	3.763	4.001	4.001	.0075
3		37006	.7698	5.748	.0691	.2096	.6942	4.001	4.001	4.001
4										
5										
6										
7										
8										
9										
10										
blank			4.001	4.001	4.001	4.001	4.001	4.001	4.001	4.001
Spike Added			.500	.500	.500	.500	.500	.500	.500	.500
Spike Result			.633	24.4	.5582	1.367	1.060	.498	.497	.502

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Sibyl Federal #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit C, S 32, T 27N, R 11W San Juan County	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 10 cy soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4/21/06 revealed the following levels:
Arsenic 0.034 mg/Kg; Barium 3.84 mg/Kg; Cadmium 0.042mg/Kg; Chromium 0.262 mg/Kg; Lead 3.94 mg/Kg; Mercury nondetect; Selenium 0.014 mg/Kg; and Silver 0.002 mg/Kg.

CWS and analyticals are attached.

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

SIGNATURE Morris D. Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: 5/10/06

TYPE OR PRINT NAME: Morris D Young

TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Env. no. spec</u>	DATE: <u>5/10/06</u>
APPROVED BY: <u>L. D. Martin</u>	TITLE: <u>ENVIRO. ENGR.</u>	DATE: <u>9-21-06</u>

Hall Environmental Analysis Laboratory

Date: 05-Jan-06

CLIENT: Blagg Engineering
Work Order: 0512228
Project: Atlantic B LS 1

QC SUMMARY REPORT

Method Blank

Sample ID: MB-9478	Batch ID: 9478	Test Code: E300	Units: mg/kg	Analysis Date: 12/30/2005	Prep Date: 12/29/2005						
Client ID:		Run ID: LC_051230A		SeqNo: 436877							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.3									

Sample ID: MB-9445	Batch ID: 9445	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/22/2005 12:55:20 P	Prep Date: 12/22/2005						
Client ID:		Run ID: FID(17A) 2_051222A		SeqNo: 435130							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.62	0	10	0	96.2	60	124	0			

Sample ID: mb-9440	Batch ID: 9440	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/21/2005 4:26:03 PM	Prep Date: 12/20/2005						
Client ID:		Run ID: PIDFID_051221A		SeqNo: 434832							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5									
Surr: BFB	1113	0	1000	0	111	83.1	124	0			

Sample ID: mb-9440	Batch ID: 9440	Test Code: SW8021	Units: mg/Kg	Analysis Date: 12/21/2005 4:26:03 PM	Prep Date: 12/20/2005						
Client ID:		Run ID: PIDFID_051221A		SeqNo: 434777							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.025									
Toluene	ND	0.025									
Ethylbenzene	ND	0.025									
Xylenes, Total	ND	0.025									
Surr: 4-Bromofluorobenzene	1.055	0	1	0	105	87.5	115	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	
7. Location of Material (Street Address or ULSTR) Unit C, S 32, T 27N, R 11W San Juan 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:

Approximately 10 cy soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4/21/06 revealed the following levels:
Arsenic 0.034 mg/Kg; Barium 3.84 mg/Kg; Cadmium 0.042mg/Kg; Chromium 0.262 mg/Kg; Lead 3.94 mg/Kg; Mercury nondetect;
Selenium 0.014 mg/Kg; and Silver 0.002 mg/Kg.

CWS and analyticals are attached.

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

SIGNATURE *Morris D. Young*
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: 5/10/06

TYPE OR PRINT NAME: Morris D Young

TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY	TITLE	DATE
APPROVED BY	TITLE	DATE



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Sibyl Federal #1 API # 30-045-06195 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit C, Section 32, T27N, R11W 790' FNL & 1560' FWL San Juan County, New Mexico
4. Source and Description of Waste Approximately 10 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4-21-06 revealed the following levels: Arsenic 0.034 mg/Kg; Barium 3.84 mg/Kg; Cadmium 0.042 mg/Kg; Chromium 0.262 mg/Kg; Lead 3.94 mg/Kg; Mercury non-detect; Selenium 0.014 mg/Kg; and Silver 0.002 mg/Kg.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 ☐ 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): Monica D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: May 9, 2006

15837

[illegible]

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client: ConocoPhillips
Sample ID: Compressor Leak
Laboratory Number: 36897
Chain of Custody: 15837
Sample Matrix: Soil
Preservative: N/A
Condition: Intact

Project #: 96052-026-000
Date Reported: 04-21-06
Date Sampled: 04-19-06
Date Received: 04-20-06
Date Analyzed: 04-21-06
Date Digested: 04-20-06
Analysis Needed: Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.034	0.001	5.0
Barium	3.84	0.001	100
Cadmium	0.042	0.001	1.0
Chromium	0.262	0.001	5.0
Lead	3.94	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.014	0.001	1.0
Silver	0.002	0.001	5.0

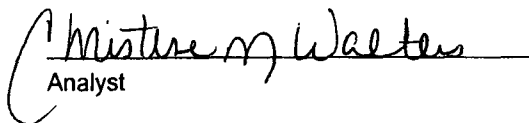
ND - Parameter not detected at the stated detection limit.

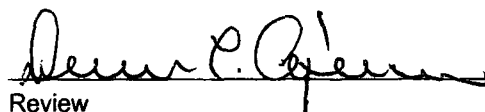
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: Sibyl Federal Well 1.


Analyst


Review

PROTECH LABS

OPTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	04-21 TM QA/QC	Date Reported:	04-21-06
Laboratory Number:	36897	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	04-21-06
Condition:	N/A	Date Digested:	04-20-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.034	0.035	2.9%	0% - 30%
Barium	ND	ND	0.001	3.84	3.87	0.8%	0% - 30%
Cadmium	ND	ND	0.001	0.042	0.043	2.4%	0% - 30%
Chromium	ND	ND	0.001	0.262	0.265	1.1%	0% - 30%
Lead	ND	ND	0.001	3.94	3.98	1.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.014	0.014	0.0%	0% - 30%
Silver	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%

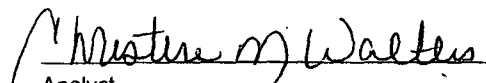
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.034	0.533	99.8%	80% - 120%
Barium	0.500	3.84	4.30	99.1%	80% - 120%
Cadmium	0.500	0.042	0.541	99.8%	80% - 120%
Chromium	0.500	0.262	0.760	99.7%	80% - 120%
Lead	0.500	3.94	4.41	99.3%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	0.014	0.513	99.8%	80% - 120%
Silver	0.500	0.002	0.502	100.0%	80% - 120%


ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for Sample 36897.


Analyst


Review

Date 4/21/06

Analylist _____

RCRA Trace Metals Analysis

Concentration (mg/Kg)

5.00 grams/50 ml

No	Digestion Date	Sample	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
1	3/6/06	36897	.034	3.84	.042	.262	3.94	<.001	.014	.002
dupe			.035	3.87	.043	.265	3.98	<.001	.014	.002
2										
3										
4										
5										
6										
7										
8										
9										
10										
blank			<.001	<.001	<.001	<.001	<.001	<.001	<.001	<.001
Spike Added			.500	.500	.500	.500	.500	.500	.500	.500
Spike Result			.533	4.30	.541	.760	4.41	.499	.573	.502

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1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138
Revised March 17, 1999

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Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval - Brandon Powell 8/17/06</i>	4. Generator: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Gardner N 30 CDP
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR): Section 25; T 32N; R 9W	8. State: New Mexico Project #99043-027
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 oil (Pegasus 505 Exxonmobil) leaked out of compressor package mixed with soil and gravel. Contaminated soil excavated from around units on site. RCRA metals done 8/16/06 revealed the following levels: Arsenic 0.059 mg/Kg; Barium 11.8 mg/Kg; Cadmium 0.056 mg/Kg; Chromium 0.148 mg/Kg; Lead 0.320 mg/Kg; Mercury nondetect; Selenium nondetect; Silver 0.001 mg/Kg.

CWS and analytical attached.

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

SIGNATURE *Denny Foust* TITLE: Landfarm Manager DATE: 08/14/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust PHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <i>[Signature]</i>	TITLE: Enviro/spec	DATE: 8/21/06
APPROVED BY: <i>[Signature]</i>	TITLE: Enviro Eng	DATE: 9/5/06

Hall Environmental Analysis Laboratory

Date: 05-Jan-06

CLIENT: Blagg Engineering
Work Order: 0512228
Project: Atlantic B LS 1

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 0512228-01AMS	Batch ID: 9445	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/22/2005 3:06:03 PM	Prep Date: 12/22/2005						
Client ID: Prod.	Run ID: FID(17A) 2_051222A	SeqNo: 435134									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44.79	10	50	0	89.6	67.4	117	0			
Surr: DNOP	5.119	0	5	0	102	74	125	0			

Sample ID: 0512228-01AMSD		Batch ID: 9445		Test Code: SW8015		Units: mg/Kg		Analysis Date: 12/22/2005 3:38:46 PM		Prep Date: 12/22/2005	
Client ID: Prod.		Run ID: FID(17A) 2_051222A				SeqNo: 435135					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43.56	10	50	0	87.1	67.4	117	44.79	2.77	17.4	
Surr: DNOP	5.014	0	5	0	100	74	125	5.119	2.07	0	

Sample ID: 0512228-02a.ms		Batch ID: 9440		Test Code: SW8015		Units: mg/Kg		Analysis Date: 12/21/2005 6:28:37 PM		Prep Date: 12/20/2005	
Client ID: Abandon #1		Run ID: PIDFID_051221A				SeqNo: 434837					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28.05	5	25	0	112	84	120	0			
Surr: BFB	1155	0	1000	0	116	83.1	124	0			

Sample ID: 0512228-02a msd		Batch ID: 9440		Test Code: SW8015		Units: mg/Kg		Analysis Date: 12/21/2005 6:59:13 PM		Prep Date: 12/20/2005	
Client ID: Abandon #1		Run ID: PIDFID_051221A				SeqNo: 434838					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27.64	5	25	0	111	84	120	28.05	1.47	11.6	
Surr: BFB	1168	0	1000	0	117	83.1	124	1155	1.08	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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State of New Mexico
Energy Minerals and Natural Resources
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval - Brandon Powell 8/17/06</i>	4. Generator: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Gardner N 30 CDP
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR): Section 25; T 32N; R 9W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Used oil (Pegasus 505 Exxonmobil) leaked out of compressor package mixed with soil and gravel. Contaminated soil excavated from around units on site. RCRA metals done 8/16/06 revealed the following levels: Arsenic 0.059 mg/Kg; Barium 11.8 mg/Kg; Cadmium 0.056 mg/Kg; Chromium 0.148 mg/Kg; Lead 0.320 mg/Kg; Mercury nondetect; Selenium nondetect; Silver 0.001 mg/Kg.

CWS and analytical attached.

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

SIGNATURE *Denny Foust* TITLE: Landfarm Manager DATE: 08/14/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust PHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u><i>BF</i></u>	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

99043-027

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address HANOVER 1286 TROY KING RD. FARMINGTON, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): GARDNER N-30 CDP	Location of the Waste (Street address &/or ULSTR): S 25 T 32N R9W
attach list of originating sites as appropriate	
4. Source and Description of Waste USED OIL (PEGASUS 505 EXXONMOBIL) LEAKED OUT OF COMPRESSOR PACKAGE MIXED WITH SOIL AND GRAVEL. CONTAMINATED SOIL EXCAVATED FROM AROUND UNITS ON SITE	

I, MICHAEL BALCAR representative for :
Print Name

HANOVER 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): Michael Balcar

Title: AREA MANAGER

Phone Number: 505-566-5212

Date: 8/14/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Hanover	Project #:	99043-027
Sample ID:	Spill Oil	Date Reported:	08-16-06
Laboratory Number:	38158	Date Sampled:	08-11-06
Chain of Custody:	1336	Date Received:	08-14-06
Sample Matrix:	Soil	Date Analyzed:	08-15-06
Preservative:	N/A	Date Digested:	08-15-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.059	0.001	5.0
Barium	11.8	0.001	100
Cadmium	0.056	0.001	1.0
Chromium	0.148	0.001	5.0
Lead	0.302	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.001	0.001	5.0

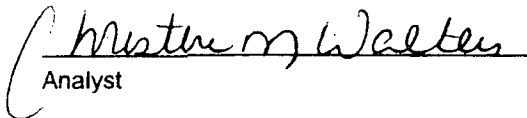
ND - Parameter not detected at the stated detection limit.

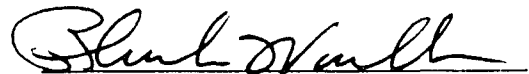
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Gardner N 30.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-15 TM QA/AC	Date Reported:	08-16-06
Laboratory Number:	38158	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-15-06
Condition:	N/A	Date Digested:	08-15-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.059	0.054	8.5%	0% - 30%
Barium	ND	ND	0.001	11.8	11.71	0.6%	0% - 30%
Cadmium	ND	ND	0.001	0.056	0.051	8.9%	0% - 30%
Chromium	ND	ND	0.001	0.148	0.150	1.5%	0% - 30%
Lead	ND	ND	0.001	0.302	0.302	0.1%	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	0.001	0.001	0.0%	0% - 30%

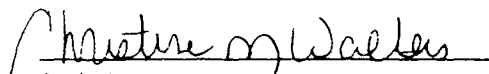
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.059	0.555	99.4%	80% - 120%
Barium	0.500	11.8	12.1	98.5%	80% - 120%
Cadmium	0.500	0.056	0.556	100.0%	80% - 120%
Chromium	0.500	0.148	0.638	98.4%	80% - 120%
Lead	0.500	0.302	0.803	100.1%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.500	100.0%	80% - 120%
Silver	0.500	0.001	0.502	100.2%	80% - 120%

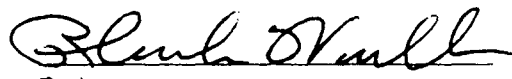
ND - Parameter not detected at the stated detection limit.

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 38158 and 38165.**


Analyst


Review

CHAIN OF CUSTODY RECORD

1336

Client / Project Name Hanover			Project Location Gardner #30		ANALYSIS / PARAMETERS																				
Sampler:			Client No. 99043-027		No. of Containers 1	PCRB	METALS						Remarks												
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																					
Spill oil	8/11/06		38158	Soil																					
Relinquished by: (Signature) <i>Ruby C. Mi</i>			Date 8/14/06	Time 13:15	Received by: (Signature) <i>Christopher M. Walla</i>			Date 8/14/06	Time 13:15																
Relinquished by: (Signature)					Received by: (Signature)																				
Relinquished by: (Signature)					Received by: (Signature)																				
Mike 320-6030					ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615					Sample Receipt <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>					Y	N	N/A	Received Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cool - Ice/Blue Ice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Y	N	N/A																						
Received Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																						
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-138
Revised March 17, 1999

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 9/26/06	4. Generator: Hercules Oilfield Const Inc 5. Originating Site: Rosa 88 well site
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Sec 8; T 31N; R 6W	Project # 06174-001
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:

Accept soil contaminated with diesel #2 from a damaged diesel tank on a water truck. Leaked approximately 30 gal fuel.

CWS and MSDS for diesel #2 attached

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

SIGNATURE Denny Foust TITLE: Environmental Geologist DATE: September 26, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>9-27-06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro ENGR</u>	DATE: <u>10-18-06</u>

RECEIVED

OCT 11 2006

Oil Conservation Division
1220 S. St. Francis Drive

Hall Environmental Analysis Laboratory

Date: 05-Jan-06

CLIENT: Blagg Engineering
Work Order: 0512228
Project: Atlantic B LS 1

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: LCS-9478	Batch ID: 9478	Test Code: E300	Units: mg/kg	Analysis Date: 12/30/2005	Prep Date: 12/29/2005						
Client ID:	Run ID: LC_051230A	SeqNo: 436878									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	14.09	0.3	15	0	93.9	90	110	0			

Sample ID: LCS-9445	Batch ID: 9445	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/22/2005 1:27:52 PM	Prep Date: 12/22/2005						
Client ID:	Run ID: FID(17A) 2_051222A	SeqNo: 435131									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51.75	10	50	0	104	67.4	117	0			

Sample ID: LCSD-9445	Batch ID: 9445	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/22/2005 2:00:36 PM	Prep Date: 12/22/2005						
Client ID:	Run ID: FID(17A) 2_051222A	SeqNo: 435132									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52.54	10	50	0	105	67.4	117	51.75	1.51	17.4	

Sample ID: LCS-9440	Batch ID: 9440	Test Code: SW8015	Units: mg/Kg	Analysis Date: 12/21/2005 4:56:41 PM	Prep Date: 12/20/2005						
Client ID:	Run ID: PIDFID_051221A	SeqNo: 434833									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28.45	5	25	0	114	84	120	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

District I
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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 9/26/06	4. Generator: Hercules Oilfield Const Inc
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Rosa 88 well site
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Sec 8; T 31N; R 6W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil contaminated with diesel #2 from a damaged diesel tank on a water truck. Leaked approximately 30 gal fuel.

CWS and MSDS for diesel #2 attached

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

SIGNATURE Denny Foust
Waste Management Facility Authorized Agent

TITLE: Environmental Geologist

DATE: September 26, 2006

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Priskop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Hercules Oilfield Construction, Inc 40 CR 6330 Kirtland, NM 87417	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Middle Mesa, 100 west of Rosa unit #88 Sec. 8, township 31N, Range 6W attach list of originating sites as appropriate	
4. Source and Description of Waste A damaged diesel tank on water truck # WF10 Approx. 30 gallons of diesel fuel	

1. Zyra Beevers representative for:
Print Name

Hercules Oilfield Construction, 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): Zyra Beevers

Title: Office Manager

Phone Number: 505-632-0858

Date: Sept. 26, 2006

(MSDS: 041760)

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MATERIAL SAFETY DATA SHEET

Conoco No. 2 Diesel Fuel

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Conoco No. 2 Diesel Fuel
Synonyms: Conoco - MSDS# GASC0220
 Conoco No. 2 Diesel Fuel High Sulfur
 Conoco No. 2 Diesel Fuel Low Sulfur
Intended Use: Fuel
Chemical Family: Petroleum Hydrocarbons
Responsible Party: ConocoPhillips
 P.O. Box 2197
 Houston, TX
 77252

For Additional MSDSs 800-762-0942

Technical Information: 918-661-8327

The intended use of this product is indicated above. If any additional use is known, please contact us at the Technical Information number listed.

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

Spill, Leak, Fire or Accident

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

California Poison Control System: (800) 356-3129

Health Hazards/Precautionary Measures: Causes severe skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Wash thoroughly after handling.

Physical Hazards/Precautionary Measures: Flammable liquid and vapor. Keep away from heat, sparks, flames, static electricity or other sources of ignition.

Appearance: Straw-colored to dyed red

Physical form: Liquid

Odor: Characteristic petroleum

NFPA Hazard Class:

Health: 1 (Slight)
 Flammability: 2 (Moderate)
 Reactivity: 0 (Least)

HMIS Hazard Class

Health: 3* (High)
 Flammability: 2 (Moderate)
 Physical Hazard: 0 (Least)

*Indicates possible chronic health effects.

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

% VOLUME

EXPOSURE GUIDELINE

Limits

Agency

Type

(MSDS: 041760)

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Diesel Fuel No. 2 CAS# 68476-34-6	100	100 mg/m3	ACGIH	TWA-SKIN
Naphthalene CAS# 91-20-3	<1	10 ppm 15 ppm 10 ppm 250 ppm	ACGIH ACGIH OSHA NIOSH	TWA STEL TWA IDLH

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

1%=10,000 PPM.

All components are listed on the TSCA inventory.

3. HAZARDS IDENTIFICATION

Potential Health Effects:

Eye: Contact may cause mild eye irritation including stinging, watering, and redness.

Skin: Severe skin irritant. Contact may cause redness, itching, burning, and severe skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (Inflammation). Not acutely toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

Inhalation (Breathing): No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Ingestion (Swallowing): Low degree of toxicity by ingestion. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Signs and Symptoms: Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, nausea, diarrhea and transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

Cancer: Possible skin cancer hazard (see Sections 11 and 15).

Target Organs: There is limited evidence from animal studies that overexposure may cause injury to the kidney (see Section 11).

Developmental: Inadequate data available for this material.

Other Comments: This material may contain polynuclear aromatic hydrocarbons (PNAs) which have been known to produce a phototoxic reaction when contaminated skin is exposed to sunlight. The effect is similar in appearance to an exaggerated sunburn, and is temporary in duration if exposure is discontinued. Continued exposure to sunlight can result in more serious skin problems including pigmentation (discoloration), skin eruptions (pimples), and possible skin cancers.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders and kidney disorders.

4. FIRST AID MEASURES

Eye: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

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Skin: Immediately remove contaminated shoes, clothing, and constrictive jewelry and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek immediate medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek immediate medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

Note To Physicians: High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. Often these injuries require extensive emergency surgical debridement and all injuries should be evaluated by a specialist in order to assess the extent of injury.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: 125-180°F/52-82°C PMCC, ASTM D-93
 OSHA Flammability Class: Combustible liquid
 LEL%: 0.3 / UEL%: 10.0
 Autoignition Temperature: 500°F/260°C

Unusual Fire & Explosion Hazards: This material is flammable and can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard

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area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Use foam on spills to minimize vapors (see Section 5). Spilled material may be absorbed into an appropriate absorbent material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharge. The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personal hygiene practices.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1 and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: A NIOSH certified air purifying respirator with an organic vapor cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator

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selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and skin damage. Examples of approved materials are nitrile, or Viton® (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse. It is recommended that impervious clothing be worn when skin contact is possible.

Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance: Straw-colored to dyed red

Physical State: Liquid

Odor: Characteristic petroleum

pH: Not applicable

Vapor Pressure (mm Hg): 0.40

Vapor Density (air=1): >3

Boiling Point/Range: 300-690°F / 366

Freezing/Melting Point: No Data

Solubility in Water: Negligible

Specific Gravity: 0.81-0.88 @60°F

Percent Volatile: Negligible

Evaporation Rate (nBuAc=1): <1

Viscosity: 1.7-4.1 cSt @40°F

Bulk Density: 7.08 lbs/gal

Flash Point: 125-180°F / 52-82°C PMCC, ASTM D-93

Flammable/Explosive Limits (%): LEL: 0.3 / UEL: 10.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Flammable liquid and vapor. Vapor can cause flash fire.

Conditions To Avoid: Avoid all possible sources of ignition (see Sections 5 and 7).

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Hazardous Decomposition Products: The use of hydrocarbon fuels in an area without adequate ventilation may result in hazardous levels of combustion products (e.g., oxides of carbon, sulfur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels. ACGIH has included a TLV of 0.02 mg/m³ TWA for diesel exhaust particulate on its 2002 Notice of Intended Changes. See Section 11 for additional information on hazards of engine exhaust.

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Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Diesel Fuel No. 2 (CAS# 68476-34-6)

Carcinogenicity: Chronic dermal application of certain middle distillate streams contained in diesel fuel No. 2 resulted in an increased incidence of skin tumors in mice. This material has not been identified as a carcinogen by NTP, IARC, or OSHA. IARC has classified Diesel exhaust as probably carcinogenic in humans.

Target Organ(s): Limited evidence of renal impairment has been noted from a few case reports involving excessive exposure to diesel fuel No. 2.

Naphthalene (CAS# 91-20-3)

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has been identified as a carcinogen by IARC.

Acute Data:

Diesel Fuel No. 2

Dermal LD50>5ml/kg (Rabbit)

LC50=No data available

Oral LD50=9 ml/kg (Rat)

12. ECOLOGICAL INFORMATION

Not evaluated at this time

13. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, would be a RCRA "characteristic" hazardous waste due to the characteristic(s) of Ignitability (D001) and benzene (D018). If the spilled or released material impacts soil, water, or other media, characteristic testing of the contaminated materials may be required prior to their disposal. Further, this material, once it becomes a waste, is subject to the land disposal restrictions in 40 CFR 268.40 and may require treatment prior to disposal to meet specific standards. Consult state and local regulations to determine whether they are more stringent than the federal requirements.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: Diesel fuel, 3 or Combustible liquid*, UN1202**, III

Non-Bulk Package Label: Flammable or None

Bulk Package Placard/Marking: Flammable/1202

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Page 7 of 8

Hazardous Substance/RQ None
Packaging References 49 CFR 173.150, 173.203, 173.241
Emergency Response Guide: 128

Note: *This product may be reclassified as a combustible liquid when shipped domestically or by rail or highway. If reclassified as a combustible liquid, this product is not regulated by DOT when shipped in non-bulk packages.

**NA1993 may be used instead of UN1202 for land transportation.

15. REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories):

Acute Health: Yes
Chronic Health: Yes
Fire Hazard: Yes
Pressure Hazard: No
Reactive Hazard: No

SARA 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Component	CAS Number	Weight %
Naphthalene	91-20-3	<1

California Proposition 65:

Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Effect
Benzene	Cancer, Developmental and Reproductive Toxicant
Toluene	Developmental Toxicant

Diesel engine exhaust, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

Carcinogen Identification:

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any. Diesel exhaust is a probable cancer hazard based on tests in laboratory animals. It has been identified as a carcinogen by IARC.

EPA (CERCLA) Reportable Quantity:

—None—

Canada - Domestic Substances List: Listed

WHMIS Class:

B2-Flammable Liquid
D2B-Materials causing other toxic effects - Toxic Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Issue Date: 02/13/03

(MSDS: 041760)

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Previous Issue Date: 01/01/03

Revised Sections: 1, 3, 5, 16

MSDS Number: 041760

Status: Final

Disclaimer of Expressed and Implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. **HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.** No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Santa Fe, NM 87505

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Form C-138
Revised March 17, 1999

Submit Original
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal Approval By B Powell w/LOCD on 9/19/06</i>	4. Generator: Enterprise Field Services LLC
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Kutz Compressor
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Sec 15, T 15N, R 12W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil contaminated with used compressor oil from legacy leaks. Oil dripped from skid onto gravel. RCRA metals (total) testing completed 9/8/06 revealed the following levels: Arsenic 1.25 mg/kg; Barium 68.8 mg/Kg; Cadmium <0.0964 mg/Kg; Chromium 7.38 mg/Kg; Lead 9.03 mg/Kg; Selenium <1.54 mg/Kg; Silver <0.338 mg/Kg.

CWS and analyticals attached

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

SIGNATURE Denny Foust TITLE: Environmental Scientist DATE: September 18, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Parrell</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>9/19/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro ENGR</u>	DATE: <u>9/24/06</u>

CLIENT: Blagg Engineering
Work Order: 0512228
Project: Atlantic B LS 1

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID: Ics-9440	Batch ID: 9440	Test Code: SW8021	Units: mg/Kg	Analysis Date: 12/21/2005 4:56:41 PM	Prep Date: 12/20/2005						
Client ID:	Run ID: PIDFID_051221A	SeqNo: 434778									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.4019	0.025	0.42	0	95.7	85.6	116	0			
Toluene	2.096	0.025	1.9	0	110	82.4	120	0			
Ethylbenzene	0.4133	0.025	0.41	0	101	86.4	111	0			
Xylenes, Total	2.089	0.025	1.9	0	110	78.4	125	0			

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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
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CWS and analyticals attached

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

SIGNATURE Denny Foust TITLE: Environmental Scientist DATE: September 18, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: _____	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____

SEP 2006



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Enterprise Field Services, LLC. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Compressor Station	Location of Waste (Street address &/or ULSTR): SE/4 - SW/4 - Sec 15, T15N, R12W NMPM
attach list of originating sites as appropriate	
4. Source and Description of Waste Used oil / Soil - approximately 4 cubic yards <i>From compressor skid, legacy leaks, dripped onto gravel - per Don Fernald</i>	
I, <u>Don Fernald</u> Print Name	representative for: <u>Fernald</u>

Enterprise Field Services, 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-hazardous waste defined above.

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

<input type="checkbox"/>	MSDS Information	<input type="checkbox"/>	Other (description)
<input checked="" type="checkbox"/>	RCRA Hazardous Waste Analysis		
<input type="checkbox"/>	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: Environmental Scientist

Date: 9/18/06

Oil Conservation Division
Phone: (505) 334-6178* 1000 Rio Brazos Road *
* Fax (505) 334-6170 *Aztec, NM87410
<http://www.emnrd.state.nm.us>

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072
Fax: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

September 12, 2006

Donald J. Fernald
Enterprise Products
614 Reilly Avenue
Farmington, NM 87401

TEL: (505) 599-2141

FAX: (505) 599-2119

RE:

Dear Donald J. Fernald:

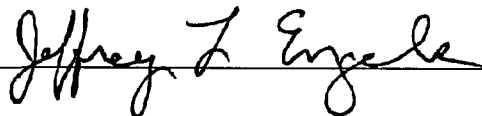
Order No.: 0609002

iiná bá received 1 sample on 9/1/2006 12:55:00 PM for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By:



Jeffrey Engels
Laboratory Director

Edwina Aspaas
Quality Assurance Officer

This certificate of analysis and respective material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the person responsible for delivering this to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify the laboratory immediately at 505-327-1072.



MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá

Date: 12-Sep-06

CLIENT: Enterprise Products

Project:

Lab Order: 0609002

CASE NARRATIVE

Samples were analyzed using the methods outlined in one or more of the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.

Methods for the Determination of Metals in Environmental Samples, Supplement I, EPA-600/R-94/111,

May 1994.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: 12-Sep-06

CLIENT: Enterprise Products
Work Order: 0609002
Project:
Lab ID: 0609002-001A

Client Sample Info:
Client Sample ID: Kutz Soil
Collection Date: 9/1/2006 12:40:00 PM
Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL		SW6010B	(SW3050B)			Analyst: jle
Arsenic	< 1.25	1.25		mg/Kg	1	9/8/2006 12:17:27 PM
Barium	68.8	0.289		mg/Kg	1	9/8/2006 12:17:27 PM
Cadmium	< 0.0964	0.0964		mg/Kg	1	9/8/2006 12:17:27 PM
Chromium	7.38	0.820		mg/Kg	1	9/8/2006 12:17:27 PM
Lead	9.03	0.820		mg/Kg	1	9/8/2006 12:17:27 PM
Selenium	< 1.54	1.54		mg/Kg	1	9/8/2006 12:17:27 PM
Silver	< 0.338	0.338		mg/Kg	1	9/8/2006 12:17:27 PM
MERCURY, TOTAL		SW7471	(SW7471)			Analyst: elc
Mercury	< 0.199	0.199		mg/Kg	1	9/11/2006

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

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

Page 1 of 1

MAINTAINING HARMONY BETWEEN MAN AND HIS ENVIRONMENT

CLIENT: Enterprise Products
 Work Order: 0609002
 Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: MB_1372	SampType: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118375						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 1.29	1.29									
Barium	< 0.297	0.297									
Cadmium	< 0.0990	0.0990									
Chromium	< 0.841	0.841									
Lead	< 0.841	0.841									
Selenium	< 1.58	1.58									
Silver	< 0.346	0.346									

Sample ID: LCS_1372	SampType: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118376						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	44.99	1.30	50.07	0	89.9	75	125	0	0		
Barium	46.93	0.300	50.07	0	93.7	75	125	0	0		
Cadmium	50.32	0.100	50.07	0	100	75	125	0	0		
Chromium	48.45	0.851	50.07	0	96.8	75	125	0	0		
Lead	49.23	0.851	50.07	0	98.3	75	125	0	0		
Selenium	44.41	1.60	50.07	0	88.7	75	125	0	0		
Silver	49.56	0.350	50.07	0	99	75	125	0	0		

Sample ID: LCSD_1372	SampType: LCSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	43.03	1.28	48.39	0	88.9	75	125	44.99	4.45	20	
Barium	45.38	0.290	48.39	0	93.8	75	125	46.93	3.36	20	
Cadmium	49.22	0.0968	48.39	0	102	75	125	50.32	2.21	20	
Chromium	46.67	0.823	48.39	0	96.4	75	125	48.45	3.75	20	
Lead	47.79	0.823	48.39	0	98.8	75	125	49.23	2.97	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Enterprise Products
 Work Order: 0609002
 Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: LCSD_1372	SampType: LCSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	42.83	1.55	48.39	0	88.5	75	125	44.41	3.62	20	
Silver	47.6	0.339	48.39	0	98.4	75	125	49.56	4.03	20	

Sample ID: 0609002-001AMS	SampType: MS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: Kutz Soil	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118379						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.82	1.25	48.12	0	78.6	75	125	0	0		
Barium	136.4	0.289	48.12	68.82	140	75	125	0	0		S
Cadmium	49.98	0.0962	48.12	0	104	75	125	0	0		
Chromium	52.96	0.818	48.12	7.384	94.7	75	125	0	0		
Lead	59.76	0.818	48.12	9.031	105	75	125	0	0		
Selenium	50.13	1.54	48.12	0	104	75	125	0	0		
Silver	51.66	0.337	48.12	0	107	75	125	0	0		

Sample ID: 0609002-001AMSD	SampType: MSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: Kutz Soil	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118380						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.54	1.30	49.99	0	75.1	75	125	37.82	0.722	20	
Barium	124.6	0.300	49.99	68.82	112	75	125	136.4	9.08	20	
Cadmium	48.57	0.100	49.99	0	97.2	75	125	49.98	2.86	20	
Chromium	49.79	0.850	49.99	7.384	84.8	75	125	52.96	6.16	20	
Lead	58.55	0.850	49.99	9.031	99.1	75	125	59.76	2.05	20	
Selenium	50.42	1.60	49.99	0	101	75	125	50.13	0.569	20	
Silver	50.29	0.350	49.99	0	101	75	125	51.66	2.68	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Enterprise Products
 Work Order: 0609002
 Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: IIG_CTS

Sample ID: MB_1377	SampType: MBLK	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118428						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.200	0.200									

Sample ID: LCS_1377	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118429						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.106	0.200	1	0	111	70	130	0	0		

Sample ID: LCSD_1377	SampType: LCSD	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.066	0.200	1.001	0	107	70	130	1.106	3.72	20	

Sample ID: 0609002-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: Kutz Soil	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.05	0.199	0.9938	0	106	70	130	0	0		

Sample ID: 0609002-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: Kutz Soil	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9936	0.199	0.9936	0	100	70	130	1.05	5.56	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Enterprise Products

Work Order: 0609002

Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: MB_1372	SampType: MBLK	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118375						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	< 1.29	1.29									
Barium	< 0.297	0.297									
Cadmium	< 0.0990	0.0990									
Chromium	< 0.841	0.841									
Lead	< 0.841	0.841									
Selenium	< 1.58	1.58									
Silver	< 0.346	0.346									

Sample ID: LCS_1372	SampType: LCS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118376						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	44.99	1.30	50.07	0	89.9	75	125	0	0		
Barium	46.93	0.300	50.07	0	93.7	75	125	0	0		
Cadmium	50.32	0.100	50.07	0	100	75	125	0	0		
Chromium	48.45	0.851	50.07	0	96.8	75	125	0	0		
Lead	49.23	0.851	50.07	0	98.3	75	125	0	0		
Selenium	44.41	1.60	50.07	0	88.7	75	125	0	0		
Silver	49.56	0.350	50.07	0	99	75	125	0	0		

Sample ID: LCSD_1372	SampType: LCSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	43.03	1.26	48.39	0	88.9	75	125	44.99	4.45	20	
Barium	45.38	0.290	48.39	0	93.8	75	125	46.93	3.36	20	
Cadmium	49.22	0.0968	48.39	0	102	75	125	50.32	2.21	20	
Chromium	46.67	0.823	48.39	0	96.4	75	125	48.45	3.75	20	
Lead	47.79	0.823	48.39	0	98.8	75	125	49.23	2.97	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Enterprise Products
 Work Order: 0609002
 Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID: LCSD_1372	SampType: LCSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: ZZZZZ	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118377						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	42.83	1.55	48.39	0	88.5	75	125	44.41	3.62	20	
Silver	47.6	0.339	48.39	0	98.4	75	125	49.56	4.03	20	

Sample ID: 0609002-001AMS	SampType: MS	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: Kutz Soil	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118379						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.82	1.25	48.12	0	78.6	75	125	0	0		
Barium	136.4	0.289	48.12	68.82	140	75	125	0	0		S
Cadmium	49.98	0.0962	48.12	0	104	75	125	0	0		
Chromium	52.96	0.818	48.12	7.384	94.7	75	125	0	0		
Lead	59.76	0.818	48.12	9.031	105	75	125	0	0		
Selenium	50.13	1.54	48.12	0	104	75	125	0	0		
Silver	51.66	0.337	48.12	0	107	75	125	0	0		

Sample ID: 0609002-001AMSD	SampType: MSD	TestCode: 6010B_S	Units: mg/Kg	Prep Date: 9/6/2006	Run ID: ICP_1_060908A						
Client ID: Kutz Soil	Batch ID: 1372	TestNo: SW6010B	(SW3050B)	Analysis Date: 9/8/2006	SeqNo: 118380						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.54	1.30	49.99	0	75.1	75	125	37.82	0.722	20	
Barium	124.6	0.300	49.99	68.82	112	75	125	136.4	9.08	20	
Cadmium	48.57	0.100	49.99	0	97.2	75	125	49.98	2.86	20	
Chromium	49.79	0.850	49.99	7.384	84.8	75	125	52.96	6.16	20	
Lead	58.55	0.850	49.99	9.031	99.1	75	125	59.76	2.05	20	
Selenium	50.42	1.60	49.99	0	101	75	125	50.13	0.569	20	
Silver	50.29	0.350	49.99	0	101	75	125	51.66	2.68	20	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Enterprise Products
 Work Order: 0609002
 Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: HG_CTS

Sample ID: MB_1377	SampType: MBLK	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118428						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury < 0.200 0.200

Sample ID: LCS_1377	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118429						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.106 0.200 1 0 111 70 130 0 0

Sample ID: LCSD_1377	SampType: LCSD	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: ZZZZZ	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.066 0.200 1.001 0 107 70 130 1.106 3.72 20

Sample ID: 0609002-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: Kutz Soil	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.05 0.199 0.9936 0 106 70 130 0 0

Sample ID: 0609002-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 9/11/2006	Run ID: AA_060911A						
Client ID: Kutz Soil	Batch ID: 1377	TestNo: SW7471	(SW7471)	Analysis Date: 9/11/2006	SeqNo: 118433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.9936 0.199 0.9936 0 100 70 130 1.05 5.56 20

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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

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SEP 25 2006

Oil Conservation Division
1220 S. St. Francis Drive
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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 9/18/06</i>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32-8 #248
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: L&R
7. Location of Material (Street Address or ULSTR) Unit P; Sec 11; T 31N; R 8W San Juan County	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept approximately 3 cy soil and oil from around compressor from cleaning of location. RCRA metals testing completed 8/24/06 revealed the following levels: Arsenic 0.117 mg/Kg; Barium 8.93 mg/Kg; Cadmium 0.079 mg/Kg; Chromium 0.268 mg/Kg; Lead 0.545 mg/Kg; Mercury nondetect; Selenium nondetect; Silver 0.002 mg/Kg.

CWS and analyticals attached

Estimated Volume 3 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE *Denny Foust* TITLE: Landfarm Manager DATE: 09/15/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Brandon Powell* TITLE: Enviro/spec DATE: 9/15/06
APPROVED BY: *[Signature]* TITLE: Enviro ENGR DATE: 9/20/06

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name

BLAGG

Date and Time Received:

12/20/2005

Work Order Number


0512228

Received by

LMM

Checklist completed by

Signature



Date

12/20/05

Matrix Carrier name Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/> Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Container/Temp Blank temperature?	4°	4° C ± 2 Acceptable If given sufficient time to cool.	

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

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

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CWS and analyticals attached

Estimated Volume 3 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE *Denny Foust* TITLE: Landfarm Manager DATE: 09/15/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: _____	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th . St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): San Juan 32-8 248 API# 30-045-283490 hCOP	Location of the Waste (Street address &/or ULSTR): U- P S-11 T- 31N R- 8W San Juan County, New Mexico Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Cleaning oil contaminated soil around well head and pump jack Approx. 3 cu yds soil. Transporter L&R.	
5. WO 4096299	

I, Gregg Wurtz representative for :
Print Name

Conoco Phillips 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-exempt non-hazardous waste defined above.

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

MSDS Information Other (description)
X 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: Env. Rep
Date: 9/15/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client: ConocoPhillips
Sample ID: Pumping Unit Gearbox
Laboratory Number: 38274
Chain of Custody: 1366
Sample Matrix: Soil
Preservative: N/A
Condition: Intact

Project #: 96052-026-001
Date Reported: 08-24-06
Date Sampled: 08-22-06
Date Received: 08-23-06
Date Analyzed: 08-24-06
Date Digested: 08-23-06
Analysis Needed: Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.117	0.001	5.0
Barium	8.93	0.001	100
Cadmium	0.079	0.001	1.0
Chromium	0.268	0.001	5.0
Lead	0.545	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.002	0.001	5.0

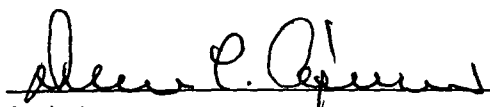
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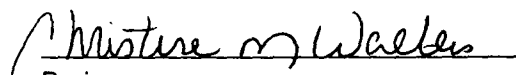
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

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

Comments: SJ 32-8 #248


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-026-001
Sample ID:	Well Head	Date Reported:	08-24-06
Laboratory Number:	38275	Date Sampled:	08-22-06
Chain of Custody:	1366	Date Received:	08-23-06
Sample Matrix:	Soil	Date Analyzed:	08-24-06
Preservative:	N/A	Date Digested:	08-23-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.199	0.001	5.0
Barium	31.0	0.001	100
Cadmium	0.142	0.001	1.0
Chromium	0.561	0.001	5.0
Lead	5.19	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.002	0.001	5.0

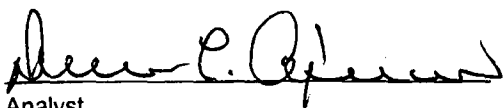
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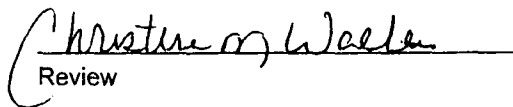
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

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

Comments: **SJ 32-8 #248**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-24 TM QA/AC	Date Reported:	08-24-06
Laboratory Number:	38272	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-24-06
Condition:	N/A	Date Digested:	08-23-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.094	0.092	2.1%	0% - 30%
Barium	ND	ND	0.001	7.83	7.80	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.073	0.075	2.7%	0% - 30%
Chromium	ND	ND	0.001	0.202	0.200	1.0%	0% - 30%
Lead	ND	ND	0.001	0.463	0.460	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	0.001	0.001	0.0%	0% - 30%

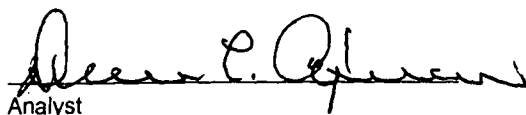
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.094	0.592	99.7%	80% - 120%
Barium	0.500	7.83	8.31	99.8%	80% - 120%
Cadmium	0.500	0.073	0.572	99.8%	80% - 120%
Chromium	0.500	0.202	0.701	99.9%	80% - 120%
Lead	0.500	0.463	0.961	99.8%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.499	99.8%	80% - 120%
Silver	0.500	0.001	0.500	99.9%	80% - 120%

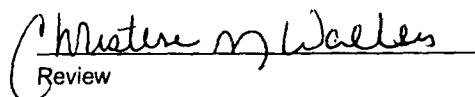
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SW-846, USEPA, December 1996.

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

Comments: QA/QC for Samples 38272 - 38275


Analyst


Review

1366

san juan reproduction 578-129

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

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32-8 #234
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: L&R
7. Location of Material (Street Address or ULSTR) Unit P; Sec 21; T 31N; R 8W San Juan County	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept approximately 3 cy soil and oil from around well head and pump jack from cleaning of location. RCRA metals testing completed 8/15/06 revealed the following levels: Arsenic 0.106 mg/Kg; Barium 8.61 mg/Kg; Cadmium 0.111 mg/Kg; Chromium 0.255 mg/Kg; Lead 0.570 mg/Kg; Mercury nondetect; Selenium nondetect; Silver 0.002 mg/Kg.

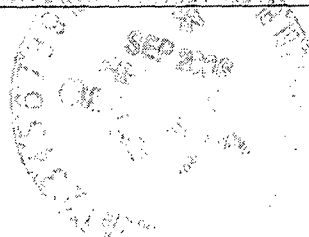
CWS and analyticals attached

Estimated Volume 3 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Denny Foust TITLE: Landfarm Manager DATE: 09/15/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>9/15/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Specialist</u>	DATE: <u>9/15/06</u>



Operator: BP America Production Company (BP)
Well Name: ATLANTIC B LS #1

Well Site location: 990 ft. FNL, 990 ft. FEL, Unit A, Sec. 33, T31N, R10W
Pit Type: Abandon Pit (I)
Producing Formation: Mesa Verde
Pit Category: Vulnerable

Vicinity Groundwater Depth: > 100 ft.
Horizontal Distance to Surface Water: < 200 ft.
Wellhead Protection Area: > 1,000 ft.

Topographic Map: Aztec, New Mexico (provisional edition 1985)

RISK ASSESSMENT (vulnerable area)

Pit remediation activities was terminated when no evidence of pit use in the past or present was observed during the closure.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below the sampling depth (5 to 6 ft. below grade).
2. Site inspection did not indicate off site lateral fluid migration from the earthen pit toward any down gradient surface water area estimated at greater than 150 feet (reference: topographic map listed above).
3. The total petroleum hydrocarbons lab results (149 milligrams per kilogram or mg/kg) were slightly above the NMOCD standards determined for the site (100 mg/kg).

Based upon the information given, it is postulated that the subsurface vertical and horizontal impact from the earthen pit is very limited and that no apparent threat is imminent to groundwater, the environment, or to humans. BP therefore request pit closure approval on this location.

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Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th . St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): San Juan 32-8 234 API# 30-045-283240 hCOP	Location of the Waste (Street address &/or ULSTR): U- P S-21 T- 31N R- 8W San Juan County, New Mexico Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Cleaning oil contaminated soil around well head and pump jack Approx. 3 cu yds soil. Transporter L&R.	
5. WO 4096299	

I, Gregg Wurtz representative for :
Print Name

Conoco Phillips 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: Env. Rep

Date: 9/15/06

96052-646

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Comp	Date Reported:	08-15-06
Laboratory Number:	38144	Date Sampled:	08-10-06
Chain of Custody:	1328	Date Received:	08-11-06
Sample Matrix:	Soil	Date Analyzed:	08-14-06
Preservative:	N/A	Date Digested:	08-14-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.106	0.001	5.0
Barium	8.61	0.001	100
Cadmium	0.111	0.001	1.0
Chromium	0.255	0.001	5.0
Lead	0.570	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.002	0.001	5.0

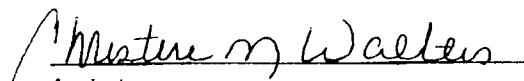
ND - Parameter not detected at the stated detection limit.

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: **SJ 32-8 #234 COPC Yard.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-14 TM QA/QC	Date Reported:	08-15-06
Laboratory Number:	38144	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-14-06
Condition:	N/A	Date Digested:	08-14-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.106	0.107	0.7%	0% - 30%
Barium	ND	ND	0.001	8.61	8.63	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.111	0.111	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.255	0.255	0.0%	0% - 30%
Lead	ND	ND	0.001	0.570	0.575	0.8%	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	0.002	0.002	0.0%	0% - 30%

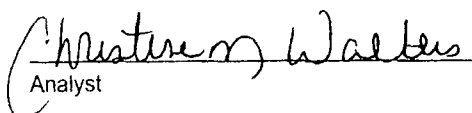
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.106	0.610	100.6%	80% - 120%
Barium	0.500	8.61	9.11	100.0%	80% - 120%
Cadmium	0.500	0.111	0.607	99.3%	80% - 120%
Chromium	0.500	0.255	0.755	99.9%	80% - 120%
Lead	0.500	0.570	1.064	99.4%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.500	100.0%	80% - 120%
Silver	0.500	0.002	0.502	100.0%	80% - 120%

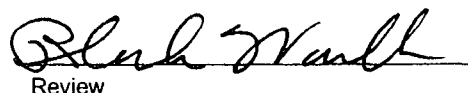
ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for Sample 38144 - 38145.


Analyst


Review

1328

san juan reproduction 578-129

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 10/6/06</i>	4. Generator: POGO Producing Co
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Phillips Rio Arriba A-1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit M; S 11; T 29N; R 5W Rio Arriba County	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil stained with unused motor oil caused by leak in reservoir storage tank

CWS and MSDS for Mobil Pegasus 505 attached

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

SIGNATURE *Denny G Foust* TITLE: Environmental Geologist DATE: 10/06/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Brandon Powell* TITLE: Enviro Spec DATE: 10-6-06

APPROVED BY: *[Signature]* TITLE: ENVIRO ENGR DATE: 10-26-06

RECEIVED

OCT 11 2006

Oil Conservation Division
1220 S. St. Francis
Santa Fe

Client:	N/A	Project #:	N/A
Sample ID:	05-08-BTEX QA/QC	Date Reported:	05-09-06
Laboratory Number:	37035	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-08-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept Range 0 - 15%			
Benzene	5.9909E+007	6.0030E+007	0.2%	ND	0.2
Toluene	7.7906E+007	7.8062E+007	0.2%	ND	0.2
Ethylbenzene	4.5069E+007	4.5159E+007	0.2%	ND	0.2
p,m-Xylene	1.4621E+008	1.4651E+008	0.2%	ND	0.2
o-Xylene	7.2793E+007	7.2939E+007	0.2%	ND	0.1

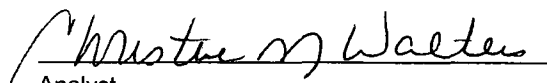
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	11.5	11.4	0.9%	0 - 30%	1.8
Toluene	66.4	66.4	0.0%	0 - 30%	1.7
Ethylbenzene	31.4	31.4	0.0%	0 - 30%	1.5
p,m-Xylene	99.9	99.7	0.2%	0 - 30%	2.2
o-Xylene	40.2	40.2	0.0%	0 - 30%	1.0


Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	11.5	50.0	61.5	100.0%	39 - 150
Toluene	66.4	50.0	116	99.9%	46 - 148
Ethylbenzene	31.4	50.0	81.2	99.8%	32 - 160
p,m-Xylene	99.9	100	198	98.9%	46 - 148
o-Xylene	40.2	50.0	90.0	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 37035 - 37042 and 37048 - 37049..


Analyst


Review

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 10/6/06</i>	4. Generator: POGO Producing Co
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Phillips Rio Arriba A-1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit M; S 11; T 29N; R 5W Rio Arriba County	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil stained with unused motor oil caused by leak in reservoir storage tank

CWS and MSDS for Mobil Pegasus 505 attached

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



SIGNATURE *Denny G Foust* TITLE: Environmental Geologist DATE: 10/06/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *BP* TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

632 1865



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address POGO PRODUCING CO 300 N. MARIENFELD SUITE 600 MIDLAND TX 79701	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): PHILLIPS - RIO ARRIBA A-1 M-SEC 11 T29N R5W attach list of originating sites as appropriate	
Location of the Waste (Street address &/or ULSR): RIO ARRIBA COUNTY, NEW MEXICO	
4. Source and Description of Waste SOIL FROM LOCATION STAINED W/ UNUSED MOTOR OIL CAUSED BY LEAK IN ^{RESERVOIR} STORAGE TANK.	

I, BRADLEY W. SOLZMAN representative for :
Print Name

POGO PRODUCING, 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

☒ 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): Bradley W. Solzman

Title: OPERATIONS SUPERVISOR

Phone Number: (505) 486-1701

Date: 10-06-06

605816-00 MOBIL PEGASUS 505
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 505
SUPPLIER: EXXONMOBIL CORPORATION
3225 GAITHERS RD.
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411
24 - Hour Transportation Emergency (Primary) CHEMTREC: 900-424-9300
(Secondary) 281-834-3296

Product and Technical Information:

Lubricants and Specialties: 800-662-4525 800-443-9966

Fuels Products: 800-947-9147

MSDS For on Demand: 613-228-1467

MSDS Internet Website: <http://emmsds.thesolutions.com/>

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS & ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

Substance Name	Approx. Wt%
----------------	-------------

SULFONIC ACIDS, PETROLEUM,	1-5
CALCIUM SALTS (SYNTHETIC)	
(61789-86-4)	

OTHER INGREDIENTS:

Substance Name	Approx. Wt%
----------------	-------------

POLY BUTENYL SUCCINIMIDE	1-5
--------------------------	-----

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

attention to - injection injury)
INHAURATION: 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(P): > 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 clean or clean container since residue is difficult to remove. Empty drums should be completely drained, properly-banded 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 C(F): 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)

FREESTING POINT (F): NE
VOLATILE ORGANIC COMPOUND: NE
OMEGA EXTRACT, IF-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.

ECOTOXICITY: Available ecotoxicity data (LL50 >1000 mg/l) indicates that adverse effects to aquatic organisms are not expected from this product.

MOBILITY: When released into the environment, adsorption to sediment and soil will be the predominant behavior.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal.

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 261), 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

UN 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, METI, 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
PHOSPHORODITHIOIC ACID, O,O-DI	60649-42-3	22
CI-14-ALKYL ESTERS, ZINC SALTS (2:1) (EDDP) (0.26%)		

--- REGULATORY LISTS SEARCHED ---

1=ACGIH A1	6=IARC 1	11=TSCA 4	16=CA D65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA F65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2R	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NIH CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NY RTK
5=NIH SUS	10=OSHA 2	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: MRC: 1' 1' 1' 1' 1', MPPEC: A, TRN: 605916-00, ELTS: 400274, CMCS97: 970607, REQ: US - MARKETING, SAFE USE: 1
EHS Approval Date: 19SEP2002

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Form C-138
Revised March 17, 1999

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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: Schlumberger
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 10/20/06	5. Originating Site: San Juan 32-8 #34M
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Unit J; S 22; T 31N; R 8W San Juan County	Project #97033-008
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 non-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:

Accept soil contaminated with diesel when hose came off fuel line while fueling equipment.

CWS and MSDS for #2 diesel attached.

RCVD OCT 25

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

SIGNATURE Denny G Foust TITLE: Environmental Geologist DATE: 10/20/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>10/23/06</u>
APPROVED BY: <u>Red AS</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>11/13/06</u>

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-08-06 QA/QC	Date Reported:	05-09-06
Laboratory Number:	37035	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-08-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	02-04-05	1.6659E+003	1.6675E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.7386E+003	1.7421E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

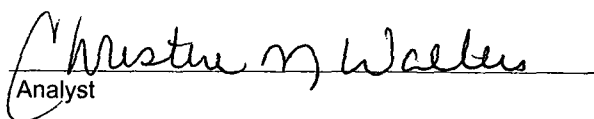
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.2	0.2	0.0%	0 - 30%
Diesel Range C10 - C28	2.8	2.8	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.2	250	250	99.9%	75 - 125%
Diesel Range C10 - C28	2.8	250	252	99.8%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 37035 - 37042 and 37048 - 37049.


Analyst


Review

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 10/20/06	4. Generator: Schlumberger
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32-8 #34M
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit J; S 22; T 31N; R.8W San Juan County	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil contaminated with diesel when hose came off fuel line while fueling equipment.

CWS and MSDS for #2 diesel attached.

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

SIGNATURE Denny Goust TITLE: Environmental Geologist DATE: 10/20/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

OIL CONS. DIV

(This space for State Use)

APPROVED BY: BL TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

RCWD RC123
OIL CONS. DIV

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Schlumberger Well Services 3106 Bloomfield Hwy. Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): CONOCO Inc. SJU 32 - 8 34M Sec. 22 - T31N - R08W Unit J San Juan County, New Mexico attach list of originating sites as appropriate	
4. Source and Description of Waste While fueling equipment from fuel truck end came off hose. Estimated 50 gallons was spilled on the ground before valves got closed.	

I, Stephan R. Sword

representative for : Schlumberger Well 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) Stephan R. Sword via e - mail

Title: Supply Manager

Phone Number: (505) 325 - 5096

Date: 20 October 2006

Date: 20 October 2006

Material Safety Data Sheet**CONOCO****NO. 2 DIESEL FUEL****# 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION****No. 2 Diesel Fuel**

MSDS Code: GASC0220

Revised: 12-Oct-2000

Version: 3

CAS Number: 68476-34-6

Tradenames: Diesel Fuel No. 2, Low Sulfur
Diesel Fuel No. 2, High Sulfur**MANUFACTURER/DISTRIBUTOR**Conoco Inc.
PO Box 2197
Houston, TX 77262**PHONE NUMBERS**

Product Information : 1-281-293-5550

Transport Emergency : CHEMTREC 1-800-424-9300 or
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 Number	%
Diesel Fuel, No. 2	68476-34-6	100

NoteSulfur content: <0.05 wt.% in low sulfur fuel
<0.5 wt.% in high sulfur fuel**Exposure limits**

Petroleum distillate standard applies. (See Section 8.)

3. HAZARDS IDENTIFICATION**--- EMERGENCY OVERVIEW ---****APPEARANCE / ODOR**

Red or Undyed (Clear or Straw-Colored) Liquid / Aromatic Odor

OSHA REGULATORY STATUS

This material is hazardous as defined under OSHA regulations.

Combustible.

See below for health effects.

HMIS RATING: Health: 1; Flammability: 2; Reactivity: 0.

NFPA RATING: Health: 0; Flammability: 2; Instability: 0.

Potential Health Effects

Primary Routes of Entry: Skin, inhalation

The product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure. Extreme overexposure or aspiration into the lungs may cause lung damage or death. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater overexposure may cause dizziness, slurred speech, flushed face, unconsciousness, and convulsions.

Combustion Product - Carbon Monoxide:

Carbon monoxide decreases the ability of the blood to carry oxygen. Inhalation may cause headache, nausea, rapid respirations, vomiting, dizziness, confusion, impaired judgement, personality changes, memory impairment, weakness, shortness of breath, unconsciousness, convulsions and death if not treated. It may cause chest pains in persons with heart disease. Carbon monoxide poisoning can cause pallor (whiteness) or cyanosis (blueness) of the skin and extremities.

High exposures to carbon monoxide may cause heart irregularities. Carbon monoxide may adversely affect the unborn babies of pregnant women.

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

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

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

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 : 130 F (54 C)
Method : PMCC
Flammable limits in Air, % by Volume
LEL : 0.4
UEL : 6
Autoignition : 494 F (257 C)

Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop a leak. Water spray may be used to flush spills away from sources of potential ignition.

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, flame, impact, friction and electricity including internal combustion engines and power tools. If equipment is used for spill cleanup, it must be explosion proof and suitable for flammable liquid and vapor.

NOTE: Vapors released from the spill may create an explosive atmosphere.

Initial Containment

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

Spill Clean Up

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, skin, or clothing. Wash thoroughly after handling. Wash clothing after use.

Handling (Physical Aspects)

Ground container when pouring. Keep away from heat, sparks and flames. 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 fire.

Storage

Store in a well ventilated place. Keep container tightly closed.
Store in accordance with National Fire Protection Association recommendations. Store away from heat, sparks and flames, oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation. Keep container tightly closed.

Personal Protective Equipment

RESPIRATORY PROTECTION

Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. 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 PROTECTION

Safety glasses with side shields. Chemical splash goggles or face shield for spray/mists or if splashing can occur.

OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

Applicable Exposure Limits

Petroleum distillate standard applies.

PEL (OSHA) : 500 ppm, 2000 mg/m³, 8 Hr. TWA

TLV (ACGIH) : None Established

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 350-690 F (177-366 C)
Vapor Pressure : 1 mm Hg @ 68 F (20 C)
Vapor Density : >1 (Air=1.0)
% Volatiles : Nil
Solubility in Water : Insoluble
Odor : Aromatic.
Form : Liquid.
Color : Red or Undyed (Clear or Straw-Colored)
Specific Gravity : 0.84-0.88 @ 60 F (16 C)

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

Carbon monoxide may be formed from incomplete combustion.

Polymerization

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION**Animal Data**

Animal studies have shown that prolonged or repeated inhalation exposures to high concentrations of some petroleum distillates have caused liver tumors in mice and kidney damage and tumors in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Present studies indicate the kidney effects will only occur in male rats. Also, human studies do not indicate this peculiar sensitivity for kidney damage and studies reported in 1992 showed that this particular type of rat kidney damage is not useful in predicting a human health hazard. The significance of liver tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

Mouse skin painting studies have shown that petroleum middle distillates (boiling range 100-700 F; naphtha, jet fuel, diesel fuel, kerosene, etc.) can cause skin cancer when repeatedly applied and never washed from the animal's skin. The relative significance of this to human health is uncertain since the petroleum distillates were not washed from the skin and resulting skin effects (irritation, cell damage, etc.) may play a role in the tumorigenic response. A few studies have shown that washing the animal's skin with soap and water between treatments greatly reduces the carcinogenic effect of some petroleum oils. Other laboratory studies indicate that middle distillates caused the skin tumors by promoting, rather than initiating, the formation of tumors, so the effect is probably dose-related and low level exposure should not be carcinogenic.

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lungs and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen. The National Toxicology Program (NTP) listed diesel exhaust particulates as "reasonably anticipated to be a human carcinogen" (Report on Carcinogens, 9th edition, 2001).

Acute toxicity data from studies supported by the American Petroleum Institute with a generic #2 fuel oil sample:

Oral, LD50 (rats)	: 7-21 mL/kg
Skin, LD50 (rabbits)	: >5 mL/kg
Skin Irritation (rabbits; index, 0-8)	: 3-4
Eye Irritation (rabbits; index, 0-110)	: 1
Skin Sensitization (guinea pigs)	: Non-sensitizing

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.

By itself, the liquid is expected to be a RCRA ignitable hazardous waste.

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

Proper Shipping Name : Diesel fuel
Hazard Class : Combustible liquid
I.D. No. (UN/NA) : NA1993
Packing Group : III
DOT Label(s) : None
DOT Placard : Combustible

ICAO/IMDG

Proper Shipping Name : Gas Oil
Hazard Class : 3
UN/NA Number : UN1202
Packing Group : III
Label : Flammable liquid
Placard : Flammable

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

This material is 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 : Yes
Chronic : Yes
Fire : Yes
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

This material is in the TSCA Inventory of Chemical Substances (40 CFR 710) and/or is otherwise in compliance with TSCA.

RCRA

This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it meets criteria for being ignitable according to U. S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262-266 and 268 may apply.

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 is not known to contain any ingredient(s) subject to the Act.

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	: Diesel Fuel Oil
Category	: Hazardous Substance.

Canadian Regulations

CLASS B Division 3 - Combustible Liquid.

CLASS D Division 2 Subdivision B - Toxic Material.

Chronic Toxic Effects.

16. OTHER INFORMATION

Additional Information: None.

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	: MSDS Coordinator
	Conoco Inc.
Address	: PO Box 2197
	Houston, TX 77252
Telephone	: 1-281-293-4386

Indicates updated section.

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 8/07/06 verbal approval Brandon Powell effective 8/6/06 EMERGENCY SITUATION	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Truck accident
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Navajo Dam spillway - Hwy 511 mm 14	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept sludge from cleanup of material from truck accident at Navajo Dam spillway. Water was vacuumed up as much as possible and area was steam cleaned to finish the cleanup effort.

RCRA metals testing done 8/5/06 revealed the following levels: Arsenic nondetect; Barium 0.250 mg/Kg; Cadmium 0.003 mg/Kg; Chromium 0.003 mg/Kg; Lead nondetect; Mercury nondetect; Selenium 0.001 mg/Kg; Silver nondetect.

Charlie Perrin, District Supervisor NMOCD and State Police Sgt Albert Montoya agreed water vacuumed up was acceptable to transport to Envirotech Landfarm 2 to be used for dust suppression.

CWS for water and sludge material, analyticals, MSDS for diesel #2, Chevron antifreeze, Chevron Delo motor oil, Chevron rock drill oil, Chevron hydraulic oil and Chevron automatic transmission oil attached

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

SIGNATURE Morris D Young TITLE: Landfarm Manager DATE: August 7, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>8/9/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>8/30/06</u>

ENVIROTEC LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-11-BTEX QA/QC	Date Reported:	04-11-06
Laboratory Number:	36727	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-11-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	7.7839E+007	7.7995E+007	0.2%	ND	0.2
Toluene	7.9555E+007	7.9715E+007	0.2%	ND	0.2
Ethylbenzene	5.3656E+007	5.3764E+007	0.2%	ND	0.2
p,m-Xylene	1.4535E+008	1.4564E+008	0.2%	ND	0.2
o-Xylene	6.4768E+007	6.4898E+007	0.2%	ND	0.1

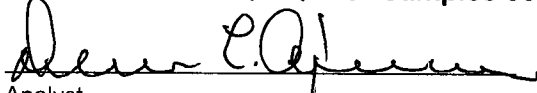
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	10.0	10.0	0.0%	0 - 30%	1.8
Toluene	801	800	0.1%	0 - 30%	1.7
Ethylbenzene	1,070	1,060	0.9%	0 - 30%	1.5
p,m-Xylene	9,480	9,470	0.1%	0 - 30%	2.2
o-Xylene	3,130	3,120	0.3%	0 - 30%	1.0

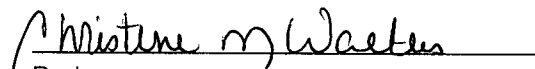
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	10.0	50.0	59.9	99.8%	39 - 150
Toluene	801	50.0	849	99.8%	46 - 148
Ethylbenzene	1,070	50.0	1,110	99.1%	32 - 160
p,m-Xylene	9,480	100	9,550	99.7%	46 - 148
o-Xylene	3,130	50.0	3,160	99.4%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 36727 - 36733.


Analyst


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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Navajo Dam spillway - Hwy 511 mm 14	Project # 92132-041
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.	

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

SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: August 7, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

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APPROVED BY: <u>BP</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>8/9/06</u>
APPROVED BY:	TITLE:	DATE:



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <u>Halliburton Energy Services Inc</u> <u>4107 E Main</u> <u>Farmington NM 87402</u>	2. Destination Name: <u>Envirotech Inc. Soil Remediation Facility</u> <u>Landfarm #2</u> <u>Hilltop, New Mexico</u>
3. Originating Site (name): <u>Navajo Dam Spillway</u>	Location of the Waste (Street address &/or ULSTR): <u>Hwy 511 mm 14</u>
attach list of originating sites as appropriate	
4. Source and Description of Waste <u>Accept clean water from spill @ Navajo Dam. Pumped out and</u> <u>sent to Landfarm for dust suppression. Authorized by</u> <u>Charles Perrin and Al Marquez</u>	

I, Gary Winn representative for :
Print Name

Halliburton 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): Gary Winn

Title: HSE Tech Professional

Phone Number: 505-324-3540

Date: 8-7-06



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>Halliburton</i>	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <i>Navajo Dam Spillway</i> attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Accept clean water from spill @ Navajo Dam. Pumped out and sent to landfarm for dust suppression</i>	

I, *Gary Winn* representative for :
Print Name

Halliburton 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): *Gary Winn*

Title: *HSE Tech Professional*

Phone Number: *505-324-3540*

Date: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

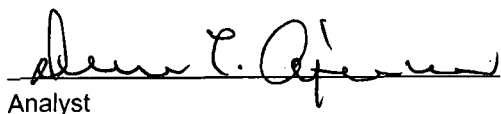
Client:	Halliburton	Project #:	92132-041
Sample ID:	S - 1	Date Reported:	08-07-06
Laboratory Number:	38063	Date Sampled:	08-06-06
Chain of Custody No:	1283	Date Received:	08-06-06
Sample Matrix:	Soil	Date Extracted:	08-07-06
Preservative:	Cool	Date Analyzed:	08-07-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

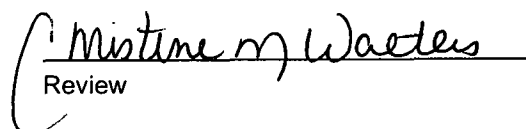
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Navajo Dam Spillway**


Analyst


Review

ENVIRONMENTAL LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-07-TPH QA/QC	Date Reported:	08-07-06
Laboratory Number:	38063	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	06-20-06	1.8435E-002	1.8417E-002	0.10%	0 - 15%
Diesel Range C10 - C28	06-20-06	1.5938E-002	1.5922E-002	0.10%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

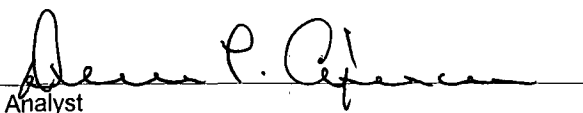
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

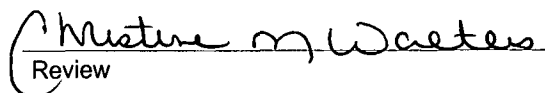
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 38063


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-041
Sample ID:	S - 1	Date Reported:	08-08-06
Laboratory Number:	38063	Date Sampled:	08-06-06
Chain of Custody:	1283	Date Received:	08-06-06
Sample Matrix:	Soil	Date Analyzed:	08-07-06
Preservative:	Cool	Date Extracted:	08-07-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	ND	

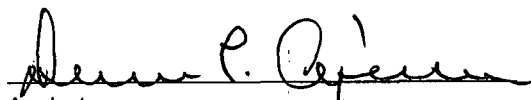
ND - Parameter not detected at the stated detection limit.

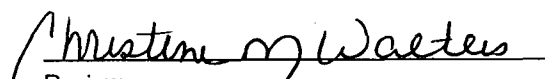
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Navajo Dam Spillway


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	08-07-BTEX QA/QC	Date Reported:	08-08-06
Laboratory Number:	38063	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	1.8245E+006	1.8281E+006	0.2%	ND	0.2
Toluene	1.0032E+008	1.0052E+008	0.2%	ND	0.2
Ethylbenzene	5.3449E+007	5.3557E+007	0.2%	ND	0.2
p,m-Xylene	1.8851E+008	1.8888E+008	0.2%	ND	0.2
o-Xylene	9.2593E+007	9.2779E+007	0.2%	ND	0.1

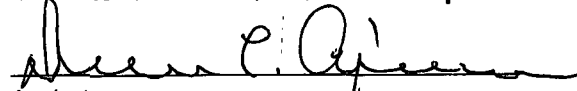
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

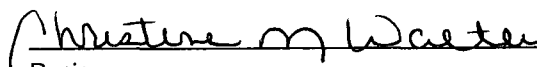
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	50.0	100.0%	32 - 160
p,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Sample 38063


Analyst


Review

Client:	Halliburton	Project #:	92132-041
Sample ID:	S - 1	Date Reported:	08-08-06
Laboratory Number:	38063	Date Sampled:	08-06-06
Chain of custody:	1283	Date Received:	08-06-06
Sample Matrix:	Soil	Date Analyzed:	08-08-06
Preservative:	Cool	Date Concentrated:	08-07-06
Condition:	Cool & Intact	Analysis Requested:	8100

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Parameter	Percent Recovery
	1-fluoronaphthalene	98%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846. USEPA, September 1986.

Comments: **Navajo Dam Spillway.**

Kevin L. O'Brien
Analyst

Christine M. Walters
Review

ENV RO' TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

EPA Method 8100
Polynuclear Aromatic Hydrocarbons
Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	Laboratory Blank	Date Reported:	08-08-06
Laboratory Number:	QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-08-06
Condition:	N/A	Analysis Requested:	8100

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno[1,2,3]pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

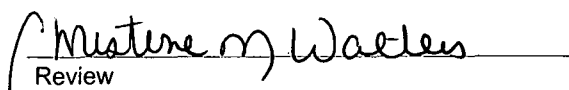
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY:	Parameter	Percent Recovery
	1-fluoronaphthalene	99.0%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for sample 38063


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-08-06
Laboratory Number:	08-08-PAH QA/QC	Date Sampled:	N/A
Chain of custody:	N/A	Date Received:	N/A
Sample Matrix:	Water	Date Analyzed:	08-08-06
Preservative:	N/A	Date Concentrated:	08-07-06
Condition:	N/A	Analysis Requested:	8100

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

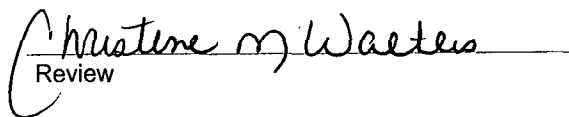
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Parameter	Percent Recovery
	1-fluoronaphthalene	99%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for Sample 38063


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 38063
Sample Matrix: Soil
Analysis Requested: 8100
Condition: N/A

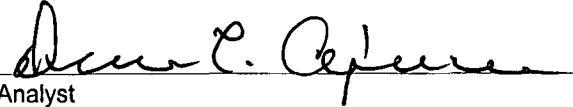
Project #: QA/QC
Date Reported: 08-08-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 08-08-06

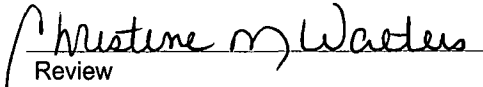
Parameter	Sample Result (ug/Kg)	Duplicate Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Naphthalene	ND	ND	0.2	0.0%
Acenaphthylene	ND	ND	0.2	0.0%
Acenaphthene	ND	ND	0.2	0.0%
Fluorene	ND	ND	0.2	0.0%
Phenanthrene	ND	ND	0.2	0.0%
Anthracene	ND	ND	0.2	0.0%
Fluoranthene	ND	ND	0.2	0.0%
Pyrene	ND	ND	0.2	0.0%
Indeno[1,2,3-cd] pyrene	ND	ND	0.2	0.0%
Benzo[a]anthracene	ND	ND	0.2	0.0%
Chrysene	ND	ND	0.2	0.0%
Benzo(b)fluoranthene	ND	ND	0.2	0.0%
Benzo[k]fluoranthene	ND	ND	0.2	0.0%
Benzo(a)pyrene	ND	ND	0.2	0.0%
Dibenzo[a,h]anthracene	ND	ND	0.2	0.0%
Benzo(g,h,i)perylene	ND	ND	0.2	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for sample 38063


Analyst


Review

EPA Method 8100 Polynuclear Aromatic Hydrocarbons Quality Assurance Report

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 38063
Sample Matrix: Soil
Analysis Requested: 8100
Condition: N/A

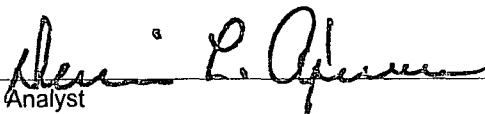
Project #: QA/QC
Date Reported: 08-08-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 08-08-06

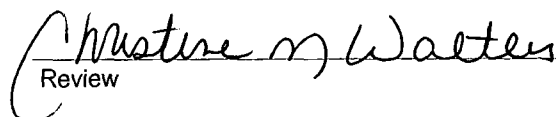
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Naphthalene	ND	100	99.9	0.2	99.9%	10-122
Acenaphthylene	ND	100	100	0.2	100%	10-139
Acenaphthene	ND	100	99.9	0.2	99.9%	10-124
Fluorene	ND	100	100	0.2	100%	10-142
Phenanthrene	ND	100	100	0.2	100%	10-155
Anthracene	ND	100	100	0.2	100%	10-126
Fluoranthene	ND	10.0	9.9	0.2	99.0%	14-123
Pyrene	ND	10.0	9.9	0.2	99.0%	10-140
Indeno[1,2,3-cd] pyrene	ND	20.0	19.9	0.2	99.5%	10-116
Benzo[a]anthracene	ND	10.0	9.9	0.2	99.0%	12-135
Chrysene	ND	10.0	9.9	0.2	99.0%	10-199
Benzo(b)fluoranthene	ND	10.0	9.9	0.2	99.0%	10-150
Benzo[k]fluoranthene	ND	5.0	5.0	0.2	100.0%	10-159
Benzo(a)pyrene	ND	10.0	9.9	0.2	99.0%	10-128
Dibenzo[a,h]anthracene	ND	10.0	9.9	0.2	99.0%	10-110
Benzo(g,h,i)perylene	ND	10.0	9.9	0.2	99.0%	10-116

ND - Parameter not detected at the stated detection limit.

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for sample 38063


Analyst


Review

CHAIN OF CUSTODY RECORD

1283

Client / Project Name <i>Halliburton</i>			Project Location <i>Navajo Dam Spillway</i>		ANALYSIS / PARAMETERS								
Sampler: <i>MPM</i>			Client No. <i>92132-041</i>		No. of Containers	<i>3015</i>	<i>12021</i>	<i>PAH</i>				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>S-1</i>	<i>8/6/06</i>	<i>1603</i>	<i>38063</i>	<i>soil</i>	<i>3</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>					
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>8/6/06</i>	Time <i>1936</i>	Received by: (Signature) <i>[Signature]</i>						Date <i>8/6/06</i>	Time <i>1936</i>	
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

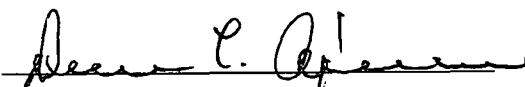
Client:	Halliburton	Project #:	92132-041
Sample ID:	Background	Date Reported:	08-07-06
Laboratory Number:	38061	Date Sampled:	08-05-06
Chain of Custody No:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Extracted:	08-07-06
Preservative:	Cool	Date Analyzed:	08-07-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Navajo**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

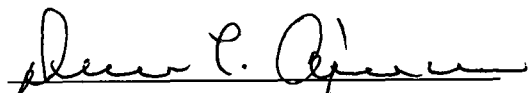
Client:	Halliburton	Project #:	92132-041
Sample ID:	Impacted Area	Date Reported:	08-07-06
Laboratory Number:	38062	Date Sampled:	08-05-06
Chain of Custody No:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Extracted:	08-07-06
Preservative:	Cool	Date Analyzed:	08-07-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

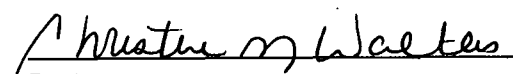
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	83.0	0.2
Diesel Range (C10 - C28)	335	0.1
Total Petroleum Hydrocarbons	418	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Navajo**


Analyst


Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-07-TPH QA/QC	Date Reported:	08-07-06
Laboratory Number:	38061	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept Range
Gasoline Range C5 - C10	06-20-06	1.8435E-002	1.8417E-002	0.10%	0 - 15%
Diesel Range C10 - C28	06-20-06	1.5938E-002	1.5906E-002	0.20%	0 - 15%

Blank Conc. (mg/L)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

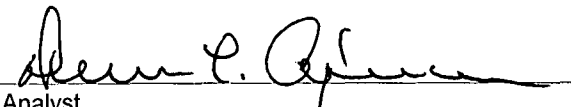
Duplicate Conc. (mg/L)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

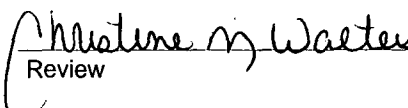
Spike Conc. (mg/L)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for samples 38061 - 38062


Analyst


Review

ENVIRONMENTAL LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8100

Polynuclear Aromatic Hydrocarbons

Client:	Halliburton	Project #:	92132-041
Sample ID:	Impacted Area	Date Reported:	08-08-06
Laboratory Number:	38062	Date Sampled:	08-05-06
Chain of custody:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-08-06
Preservative:	Cool	Date Concentrated:	08-07-06
Condition:	Cool & Intact	Analysis Requested:	8100


Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	75.2	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	36.2	0.2
Anthracene	0.8	0.2
Fluoranthene	9.2	0.2
Pyrene	30.4	0.2
Benzo[a]anthracene	28.7	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno[1,2,3]pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

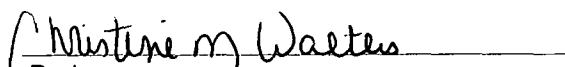
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Parameter	Percent Recovery
	1-fluoronaphthalene	97.8%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: Navajo


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-041
Sample ID:	Background	Date Reported:	08-08-06
Chain of Custody:	1282	Date Sampled:	08-05-06
Laboratory Number:	38061	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-07-06
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	ND	1	0.2
Toluene	ND	1	0.2
Ethylbenzene	ND	1	0.2
p,m-Xylene	ND	1	0.2
o-Xylene	ND	1	0.1

Total BTEX ND

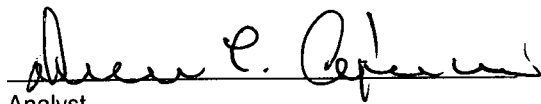
ND - Parameter not detected at the stated detection limit.

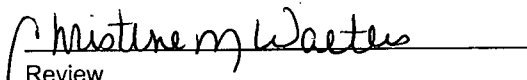
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	99.8 %
	1,4-difluorobenzene	99.8 %
	4-bromochlorobenzene	99.8 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Navajo


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-041
Sample ID:	Impacted Area	Date Reported:	08-08-06
Chain of Custody:	1282	Date Sampled:	08-05-06
Laboratory Number:	38062	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-07-06
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	22.8	1	0.2
Toluene	36.1	1	0.2
Ethylbenzene	20.1	1	0.2
p,m-Xylene	71.0	1	0.2
o-Xylene	28.4	1	0.1

Total BTEX 178

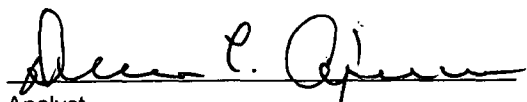
ND - Parameter not detected at the stated detection limit.

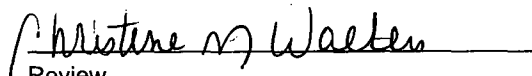
Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	99.8 %
	1,4-difluorobenzene	99.8 %
	4-bromochlorobenzene	99.8 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: Navajo


Analyst


Review

ENV ROTACH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client:	N/A	Project #:	N/A
Sample ID:	08-07-BTEX QA/QC	Date Reported:	08-08-06
Laboratory Number:	38061	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	1.8226E+006	1.8281E+006	0.30%	ND	0.2
Toluene	1.0022E+008	1.0052E+008	0.30%	ND	0.2
Ethylbenzene	5.3396E+007	5.3557E+007	0.30%	ND	0.2
p,m-Xylene	1.8832E+008	1.8888E+008	0.30%	ND	0.2
o-Xylene	9.2500E+007	9.2779E+007	0.30%	ND	0.1

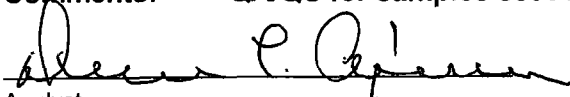
Duplicate Conc. (ug/L)	Sample	Duplicate	%Diff.	Accept Limit
Benzene	ND	ND	0.0%	0 - 30%
Toluene	ND	ND	0.0%	0 - 30%
Ethylbenzene	ND	ND	0.0%	0 - 30%
p,m-Xylene	ND	ND	0.0%	0 - 30%
o-Xylene	ND	ND	0.0%	0 - 30%

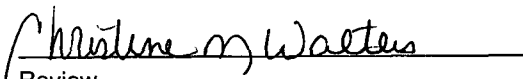
Spike Conc. (ug/L)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Limits
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	50.0	100.0%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.7%	32 - 160
p,m-Xylene	ND	100	99.8	99.8%	46 - 148
o-Xylene	ND	50.0	49.9	99.9%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples 38061 - 38062


Analyst


Review

Client:	Halliburton	Project #:	92132-041
Sample ID:	Background	Date Reported:	08-08-06
Laboratory Number:	38061	Date Sampled:	08-05-06
Chain of custody:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-08-06
Preservative:	Cool	Date Concentrated:	08-07-06
Condition:	Cool & Intact	Analysis Requested:	8100


Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno[1,2,3]pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

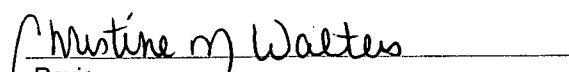
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Parameter	Percent Recovery
	1-fluoronaphthalene	98.7%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: **Navajo**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8100 Polynuclear Aromatic Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	Laboratory Blank	Date Reported:	08-08-06
Laboratory Number:	QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-08-06
Condition:	N/A	Analysis Requested:	8100

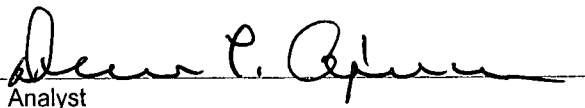
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno[1,2,3]pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

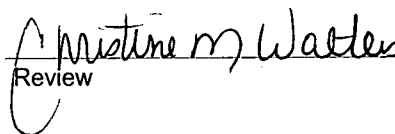
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY:	Parameter	Percent Recovery
	1-fluoronaphthalene	99.0%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for samples 38061 - 38062.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8100 Polynuclear Aromatic Hydrocarbons

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-08-06
Laboratory Number:	08-08-PAH QA/QC	Date Sampled:	N/A
Chain of custody:	N/A	Date Received:	N/A
Sample Matrix:	Water	Date Analyzed:	08-08-06
Preservative:	N/A	Date Concentrated:	08-07-06
Condition:	N/A	Analysis Requested:	8100

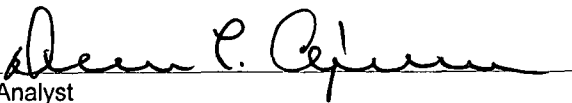
Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

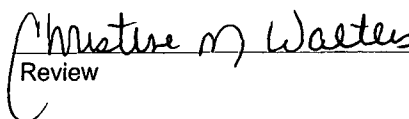
ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Parameter	Percent Recovery
	1-fluoronaphthalene	99%

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for samples 38061 - 38062.


Analyst


Review

EPA Method 8100
Polynuclear Aromatic Hydrocarbons
Quality Assurance Report

Client: QA/QC
 Sample ID: Matrix Duplicate
 Laboratory Number: 38061
 Sample Matrix: Liquid
 Analysis Requested: 8100
 Condition: N/A

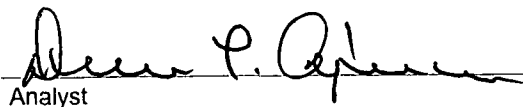
Project #: QA/QC
 Date Reported: 08-08-06
 Date Sampled: N/A
 Date Received: N/A
 Date Analyzed: 08-08-06

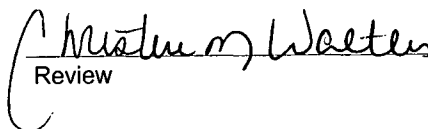
Parameter	Sample Result (ug/L)	Duplicate Sample Result (ug/L)	Det. Limit (ug/L)	Percent Difference
Naphthalene	ND	ND	0.2	0.0%
Acenaphthylene	ND	ND	0.2	0.0%
Acenaphthene	ND	ND	0.2	0.0%
Fluorene	ND	ND	0.2	0.0%
Phenanthrene	ND	ND	0.2	0.0%
Anthracene	ND	ND	0.2	0.0%
Fluoranthene	ND	ND	0.2	0.0%
Pyrene	ND	ND	0.2	0.0%
Benzo[a]anthracene	ND	ND	0.2	0.0%
Chrysene	ND	ND	0.2	0.0%
Benzo(b)fluoranthene	ND	ND	0.2	0.0%
Benzo[k]fluoranthene	ND	ND	0.2	0.0%
Benzo(a)pyrene	ND	ND	0.2	0.0%
Indeno[1,2,3]pyrene	ND	ND	0.2	0.0%
Dibenzo[a,h]anthracene	ND	ND	0.2	0.0%
Benzo(g,h,i)perylene	ND	ND	0.2	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for samples 38061 - 38062.


 Analyst


 Review

EPA Method 8100
Polynuclear Aromatic Hydrocarbons
Quality Assurance Report

Client: QA/QC
 Sample ID: Matrix Spike
 Laboratory Number: 38061
 Sample Matrix: Liquid
 Analysis Requested: 8100
 Condition: N/A

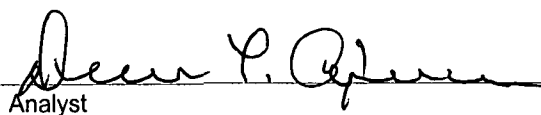
Project #: QA/QC
 Date Reported: 08-08-06
 Date Sampled: N/A
 Date Received: N/A
 Date Analyzed: 08-08-06

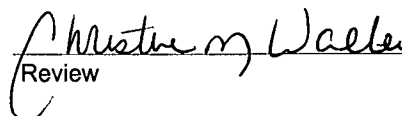
Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Naphthalene	ND	100.0	99.9	0.2	99.9%	10-122
Acenaphthylene	ND	100.0	99.9	0.2	99.9%	10-139
Acenaphthene	ND	100.0	99.9	0.2	99.9%	10-124
Fluorene	ND	100.0	99.9	0.2	99.9%	10-142
Phenanthrene	ND	100.0	99.9	0.2	99.9%	10-155
Anthracene	ND	100.0	99.9	0.2	99.9%	10-126
Fluoranthene	ND	10.0	9.99	0.2	99.9%	14-123
Pyrene	ND	10.0	9.99	0.2	99.9%	10-140
Benzo[a]anthracene	ND	10.0	9.98	0.2	99.8%	10-116
Chrysene	ND	10.0	9.98	0.2	99.8%	12-135
Benzo(b)fluoranthene	ND	10.0	9.98	0.2	99.8%	10-199
Benzo[k]fluoranthene	ND	5.0	4.99	0.2	99.8%	10-150
Benzo(a)pyrene	ND	10.0	9.98	0.2	99.8%	10-159
Indeno[1,2,3]pyrene	ND	10.0	9.99	0.2	99.9%	10-128
Dibenzo[a,h]anthracene	ND	10.0	9.98	0.2	99.8%	10-110
Benzo(g,h,i)perylene	ND	10.0	9.99	0.2	99.9%	10-116

ND - Parameter not detected at the stated detection limit.

References: Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Solid Waste, SW-846, USEPA, September 1986.

Comments: QA/QC for samples 38061 - 38062.


 Analyst


 Review

CHAIN OF CUSTODY RECORD

1282

Client / Project Name <i>Haliburton</i>			Project Location <i>Navajo</i>		ANALYSIS / PARAMETERS								
Sampler: <i>G. Crabtree</i>			Client No. <i>92132-041</i>		No. of Containers <i>8015/8021</i>	<i>TCAP Metals</i>	<i>PAH</i>					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>Backgrounds</i>	<i>8/5/06</i>	<i>1325</i>	<i>38061</i>	<i>liquid</i>	<i>4</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>					
<i>Impacted Area</i>	<i>8/5/06</i>	<i>1340</i>	<i>38062</i>	<i>liquid</i>	<i>4</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>					
Relinquished by: (Signature) <i>April E. Fohl</i>			Date <i>8/5/06</i>	Time <i>16:30</i>	Received by: (Signature) <i>Allen P. C. [Signature]</i>					Date <i>8/5/06</i>	Time <i>16:30</i>		
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

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

Client:	Halliburton	Project #:	92132-041
Sample ID:	Background	Date Reported:	08-05-06
Laboratory Number:	38061	Date Sampled:	08-05-06
Chain of Custody:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-05-06
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	0.250	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.003	0.001	5.0
Lead	ND	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.

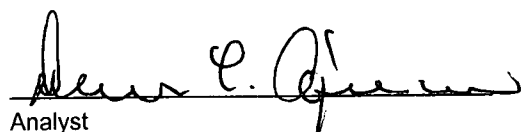
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

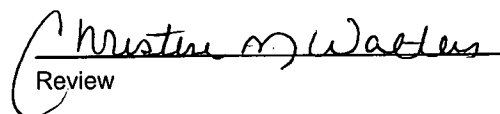
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: **Navajo Background**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Halliburton	Project #:	92132-041
Sample ID:	Impacted Area	Date Reported:	08-05-06
Laboratory Number:	38062	Date Sampled:	08-05-06
Chain of Custody:	1282	Date Received:	08-05-06
Sample Matrix:	Liquid	Date Analyzed:	08-05-06
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	0.004	0.001	5.0
Barium	0.309	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.005	0.001	5.0
Lead	ND	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

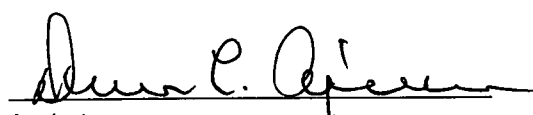
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

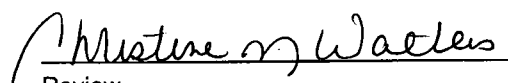
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: **Navajo**


Analyst


Review

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

Client:	N/A	Project #:	N/A
Sample ID:	08-05-TCM QA/QC	Date Reported:	08-05-06
Laboratory Number:	38061	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	08-05-06
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	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.250	0.248	0.8%	0% - 30%
Cadmium	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Lead	ND	ND	0.001	ND	ND	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/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	ND	0.499	99.8%	80% - 120%
Barium	0.500	0.250	0.748	99.7%	80% - 120%
Cadmium	0.500	0.003	0.503	100.0%	80% - 120%
Chromium	0.500	0.003	0.505	100.4%	80% - 120%
Lead	0.500	ND	0.499	99.8%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	0.001	0.500	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

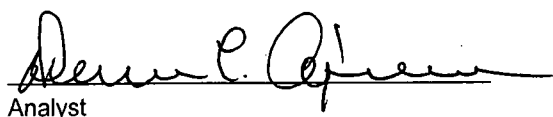
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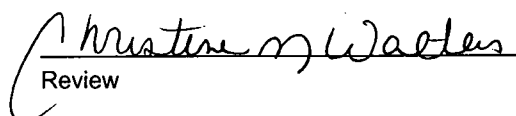
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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 Samples 38061 - 38062


Analyst


Review

CHAIN OF CUSTODY RECORD

1282

Client / Project Name Haliburton			Project Location NAVAJO		ANALYSIS / PARAMETERS								
Sampler: G. Crabtree			Client No. 92132-041		No. of Containers 805/8021	TECP Metals	PAH					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
Background	8/5/06	1325	38061	liquid	4	✓	✓	✓					
Impacted Area	8/5/06	1340	38062	liquid	4	✓	✓	✓					
Relinquished by: (Signature) Spil E. Pohl			Date 8/5/06	Time 16:30	Received by: (Signature) Alvin P. Pohl			Date 8/5/06	Time 16:30				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

DIESEL FUEL No. 2 300 gallons

Product Use: Fuel

Product Number(s): CPS203410 [See Section 16 for Additional Product Numbers]

Synonyms: 15 S Diesel Fuel 2, Alternative Low Aromatic Diesel (ALAD), Calco LS Diesel 2, Calco ULS DF2, Calco ULS Diesel 2, Chevron LS Diesel 2, Chevron ULS Diesel 2, Diesel Fuel Oil, Diesel Grade No. 2, Diesel No. 2-D S15, Diesel No. 2-D S500, Diesel No. 2-D S5000, Distillates, straight run, Gas Oil, HS Diesel 2, HS Heating Fuel 2, Light Diesel Oil Grade No. 2-D, LS Diesel 2, LS Heating Fuel 2, Marine Diesel, RR Diesel Fuel, Texaco Diesel, Texaco Diesel No. 2, Ultra Low Sulfur Diesel 2

Company Identification

Chevron Products Company
Marketing, MSDS Coordinator
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

MSDS Requests: (800) 689-3998

Technical Information: (510) 242-5357

SPECIAL NOTES: This MSDS covers all Chevron and Calco non-CARB Diesel No. 2 Fuels. The sulfur content is less than 0.5% (mass). Red dye is added to non-taxable fuel. (MSDS 6894)

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diesel Fuel No. 2	68476-34-6	100 %wt/wt
Distillates, hydrodesulfurized, middle	64742-80-9	0 - 100 %wt/wt
Distillates, straight run middle (gas oil, light)	64741-44-2	0 - 100 %wt/wt
Kerosine	8008-20-6	0 - 25 %wt/wt
Kerosine, hydrodesulfurized	64742-81-0	0 - 25 %wt/wt
Distillates (petroleum), light catalytic cracked	64741-59-9	0 - 50 %wt/wt
Naphthalene	91-20-3	0.02 - 0.2 %wt/wt
Total sulfur	None	0 - 0.5 %wt/wt

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, are also listed. See Section 15 for additional regulatory information.

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- COMBUSTIBLE LIQUID AND VAPOR
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- CAUSES SKIN IRRITATION
- MAY CAUSE CANCER BASED ON ANIMAL DATA
- TOXIC TO AQUATIC ORGANISMS

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.

Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing. Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER HEALTH EFFECTS:

Cancer: Prolonged or repeated exposure to this material may cause cancer. Whole diesel engine exhaust has been classified as a Group 2A carcinogen (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Diesel exhaust particulate has been classified as reasonably anticipated to be a human carcinogen in the National Toxicology Program's Ninth Report on Carcinogens. The National Institute of Occupational Safety and Health (NIOSH) has recommended that whole diesel exhaust be regarded as potentially causing cancer. Diesel engine exhaust is known to the State of California to cause cancer. Contains naphthalene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

See Section 11 for additional information. Risk depends on duration and level of exposure.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

FLAMMABLE PROPERTIES:**Flashpoint:** (Pensky-Martens Closed Cup) 52 °C (125 °F) (Min)**Autoignition:** 257 °C (494 °F)**Flammability (Explosive) Limits (% by volume in air):** Lower: 0.6 Upper: 4.7**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.**PROTECTION OF FIRE FIGHTERS:****Fire Fighting Instructions:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.**SECTION 6 ACCIDENTAL RELEASE MEASURES****Protective Measures:** Eliminate all sources of ignition in the vicinity of the spill or released vapor. If this material is released into the work area, evacuate the area immediately. Monitor area with combustible gas indicator.**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.**Reporting:** Report spills to local authorities as appropriate or required.**SECTION 7 HANDLING AND STORAGE****Precautionary Measures:** Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive force. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 29C (85F).

Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Do not breathe mist. Wash thoroughly after handling. Keep out of the reach of children.

Unusual Handling Hazards: WARNING! Do not use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.**General Handling Information:** Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.**Static Hazard:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.**General Storage Information:** DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces. USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.**Container Warnings:** Container is not designed to contain pressure. Do not use pressure to empty container or it 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 containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION****GENERAL CONSIDERATIONS:**

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all

instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

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: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane, Viton.

Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors.

When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Diesel Fuel No. 2	ACGIH	100 mg/m ³	--	--	Skin A3 total hydrocarbon
Diesel Fuel No. 2	CVX	--	1000 mg/m ³	--	--
Kerosine	ACGIH	200 mg/m ³	--	--	Skin A3 Total hydrocarbon vapor
Kerosine	CVX	--	1000 mg/m ³	--	--
Kerosine, hydrodesulfurized	ACGIH	200 mg/m ³	--	--	Skin A3 Total hydrocarbon vapor
Kerosine, hydrodesulfurized	CVX	--	1000 mg/m ³	--	--
Naphthalene	ACGIH	10 ppm (weight)	15 ppm (weight)	--	Skin

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Varies depending on specification

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: 0.04 kPa (Approximate) @ 40 °C (104 °F)

Vapor Density (Air = 1): >1

Boiling Point: 175.6°C (348°F) - 370°C (698°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.8 - 0.88 @ 15.6°C (60.1°F) (Typical)

Viscosity: 1.9 cSt - 4.1 cSt @ 40°C (104°F)

Odor Threshold: No Data Available

Coefficient of Water/Oil Distribution: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: This material did not cause skin sensitization reactions in a Buehler guinea pig test.

Acute Dermal Toxicity: LD50: >5ml/kg (rabbit).

Acute Oral Toxicity: LD50: > 5 ml/kg (rat)

Acute Inhalation Toxicity: 4 hour(s) LC50: > 5mg/l (rat). For additional information on the acute toxicity of the components, call the technical information center.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains gas oils.

CONCAWE (product dossier 95/107) has summarized current health, safety and environmental data available for a number of gas oils, typically hydrodesulfurized middle distillates, CAS 64742-80-9, straight-run middle distillates, CAS 64741-44-2, and/or light cat-cracked distillate CAS 64741-59-9. **CARCINOGENICITY:** All materials tested have caused the development of skin tumors in mice, but all featured severe skin irritation and sometimes a long latency period before tumors developed. Straight-run and cracked gas oil samples were studied to determine the influence of dermal irritation on the carcinogenic activity of middle distillates. At non-irritant doses the straight-run gas oil was not carcinogenic, but at irritant doses, weak activity was demonstrated. Cracked gas oils, when diluted with mineral oil, demonstrated carcinogenic activity irrespective of the occurrence of skin irritation. Gas oils were tested on male mice to study tumor initiating/promoting activity. The results demonstrated that while a straight-run gas oil sample was neither an initiator or promotor, a blend of straight-run and FCC stock was both a tumor initiator and a promotor.

GENOTOXICITY: Hydrotreated & hydrodesulfurized gas oils range in activity from inactive to weakly positive in in-vitro bacterial mutagenicity assays. Mouse lymphoma assays on straight-run gas oils without subsequent hydrodesulphurization gave positive results in the presence of S9 metabolic activation. In-vivo bone marrow cytogenetics and sister chromatic exchange assay exhibited no activity for straight-run components with or without hydrodesulphurization. Thermally or catalytically cracked gas oils tested with in-vitro bacterial mutagenicity assays in the presence of S9 metabolic activation were shown to be mutagenic. In-vitro sister chromatic exchange assays on cracked gas oil gave equivocal results both with and without S9 metabolic activation. In-vivo bone marrow cytogenetics assay was inactive for two cracked gas oil samples. Three hydrocracked gas oils were tested with in-vitro bacterial mutagenicity assays with S9, and one of the three gave positive results. Twelve distillate fuel samples were tested with in-vitro bacterial mutagenicity assays & with S9 metabolic activation and showed negative to weakly positive results. In one series, activity was shown to be related to the PCA content of samples tested. Two in-vivo studies were also conducted. A mouse dominant lethal assay was negative for a sample of diesel fuel. In the other study, 9 samples of No 2 heating oil containing 50% cracked stocks caused a slight increase in the number of chromosomal aberrations in bone marrow cytogenetics assays. **DEVELOPMENTAL TOXICITY:** Diesel fuel vapor did not cause fetotoxic or teratogenic effects when pregnant rats were exposed on days 6-15 of pregnancy. Gas oils were applied to the skin of pregnant rats daily on days 0-19 of gestation. All but one (coker light gas oil) caused fetotoxicity (increased resorptions, reduced litter weight, reduced litter size) at dose levels that were also maternally toxic.

This product contains naphthalene. **GENERAL TOXICITY:** Exposure to naphthalene has been reported to cause methemoglobinemia and/or hemolytic anemia, especially in humans deficient in the enzyme glucose-6-phosphate

dehydrogenase. Laboratory animals given repeated oral doses of naphthalene have developed cataracts.

REPRODUCTIVE TOXICITY AND BIRTH DEFECTS: Naphthalene did not cause birth defects when administered orally to rabbits, rats, and mice during pregnancy, but slightly reduced litter size in mice at dose levels that were lethal to the pregnant females. Naphthalene has been reported to cross the human placenta. **GENETIC TOXICITY:** Naphthalene caused chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells, but was not a mutagen in several other in-vitro tests. **CARCINOGENICITY:** In a study conducted by the National Toxicology Program (NTP), mice exposed to 10 or 30 ppm of naphthalene by inhalation daily for two years had chronic inflammation of the nose and lungs and increased incidences of metaplasia in those tissues. The incidence of benign lung tumors (alveolar/bronchiolar adenomas) was significantly increased in the high-dose female group but not in the male groups. In another two-year inhalation study conducted by NTP, exposure of rats to 10, 30, and 60 ppm naphthalene caused increases in the incidences of a variety of nonneoplastic lesions in the nose. Increases in nasal tumors were seen in both sexes, including olfactory neuroblastomas in females at 60 ppm and adenomas of the respiratory epithelium in males at all exposure levels. The relevance of these effects to humans has not been established. No carcinogenic effect was reported in a 2-year feeding study in rats receiving naphthalene at 41 mg/kg/day.

This product may contain significant amounts of Polynuclear Aromatic Hydrocarbons (PAH's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if it is washed from the skin. While skin cancer is unlikely to occur in human beings following use of this product, skin contact and breathing, of mists, vapors or dusts should be reduced to a minimum.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

96 hour(s) LC50: 21-210 mg/l (*Salmo gairdneri*)

48 hour(s) EC50: 20-210 mg/l (*Daphnia magna*)

72 hour(s) EC50: 2.6-25 mg/l (*Raphidocellus subcapitata*)

This material is expected to be toxic to aquatic organisms.

ENVIRONMENTAL FATE

On release to the environment the lighter components of diesel fuel will generally evaporate but depending on local environmental conditions (temperature, wind, mixing or wave action, soil type, etc.) the remainder may become dispersed in the water column or absorbed to soil or sediment. Diesel fuel would not be expected to be readily biodegradable. In a modified Strum test (OECD method 301B) approximately 40% biodegradation was recorded over 28 days. However, it has been shown that most hydrocarbon components of diesel fuel are degraded in soil in the presence of oxygen. Under anaerobic conditions, such as in anoxic sediments, rates of biodegradation are negligible.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261), Environment Canada, or other State, Provincial, and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 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.

TC Shipping Description: UN1202, GAS OIL, 3, III

IMO/IMDG Shipping Description: UN1202, GAS OIL, 3, III, FLASH POINT SEE SECTION 5

ICAO/IATA Shipping Description: UN1202, GAS OIL, 3, III

DOT Shipping Description: GAS OIL, COMBUSTIBLE LIQUID, UN1202,III**SECTION 15 REGULATORY INFORMATION****REGULATORY LISTS SEARCHED:**

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

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

Naphthalene 01-2B, 35

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

WHMIS CLASSIFICATION:

Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material -
Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material -
Skin or Eye Irritation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s.2).

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: July 31, 2006

SECTION 16 OTHER INFORMATION

Additional Product Number(s): CPS203413, CPS203417, CPS220122, CPS225114, CPS225115, CPS225150, CPS266176, CPS270000, CPS270005, CPS270094, CPS270095, CPS270096, CPS271006, CPS272006, CPS272007, CPS272008, CPS272009, CPS272010, CPS272011, CPS272012, CPS272013, CPS272093, CPS272102, CPS272126, CPS272152, CPS272185, CPS272190, CPS272195, CPS272593, CPS272601, CPS272693, CPS272793, CPS273003, CPS273030, CPS273053, CPS275000

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1,16.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)

DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

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 modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Antifreeze (EHL)

Amount released: 30 gallons

PRODUCT NUMBER(S): CPS698420

COMPANY IDENTIFICATION

CHEVRON PRODUCTS COMPANY
First Floor, 43/45 The Promenade
Cheltenham
Gloucestershire, GL50 1LE
United Kingdom
TELEPHONE: +44 (0) 1242 266700

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: CONTACT YOUR LOCAL SALES REPRESENTATIVE FOR TECHNICAL
INFORMATION OR ADDITIONAL MSDS REQUESTS.

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON Antifreeze (EHL)

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
ETHYLENE GLYCOL			
Chemical Name: ETHYLENE GLYCOL			
CAS107211	> 90.00%	C 50 ppm 125 mg/m3 5,000 LBS	ACGIH TWA OSHA CEILING CERCLA 302.4 RQ

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control
Act Chemical Substances Inventory.

Revision Number: 2

Revision Date: 11/17/99

MSDS Number: 007425

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

Colorless (when not dyed).

- HARMFUL OR FATAL IF SWALLOWED
- MAY CAUSE RESPIRATORY TRACT IRRITATION IF INHALED
- POSSIBLE BIRTH DEFECT HAZARD - MAY CAUSE BIRTH DEFECTS
BASED ON ANIMAL DATA

IMMEDIATE 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:

Toxic; may be harmful or fatal if swallowed. See Section 11 for additional information.

INHALATION:

The vapor or fumes from this material may cause respiratory irritation. Breathing this material at concentrations above the recommended exposure limit may cause central nervous system effects.

SIGNS AND SYMPTOMS OF EXPOSURE:

INGESTION: May result in nausea, vomiting, diarrhea, and in severe cases, collapse, shock and death. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death. Respiratory irritation: may include coughing and difficulty breathing.

REPRODUCTION AND BIRTH DEFECTS:

Contains material that may cause birth defects, if swallowed, based on animal data. Risk depends on duration and level of exposure. See Section 11 for additional information.

TARGET ORGANS:

Contains material that may cause damage to the following organ(s) following repeated ingestion: >Kidney< >Liver< Risk depends on duration and level of exposure. See Section 11 for additional information.

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. Wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INGESTION:

If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION:

Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

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

FLAMMABLE PROPERTIES:

FLASH POINT: 257F (125C)

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: 3.2 Upper: 15.3

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam and Water Fog.

NFPA RATINGS: Health 2; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; 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, observing precautions in Exposure Controls/Personal Protection. 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

Container is not designed to contain pressure. Do not use pressure to empty container or it 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 containers should be completely drained, properly closed, and promptly returned to a drum reconditioner, or properly disposed of. Wash thoroughly after handling. Do not taste or swallow. Do not breathe vapor or fumes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS

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: <Natural Rubber> <Nitrile> <Polyvinyl Chloride (Also referred to as "Vinyl" or "PVC")>

RESPIRATORY PROTECTION:

Determine if airborne concentrations are below the recommended exposure limits. If not, wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following respirators: Organic vapor plus dust mask filter. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Colorless (when not dyed).

pH: NDA
VAPOR PRESSURE: NA
VAPOR DENSITY
(AIR=1): NA
BOILING POINT: >165C
FREEZING POINT: NDA
MELTING POINT: NA
SOLUBILITY: Soluble in water.
SPECIFIC GRAVITY: NDA
DENSITY: NDA
VISCOSITY: 21 @ 20C cPs

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

No data available.

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 ethylene glycol (EG). The toxicity of EG via inhalation or skin contact is expected to be slight at room temperature.

The estimated oral lethal dose is about 100 cc (3.3 oz.) for an adult human. Ethylene glycol is oxidized to oxalic acid which results in the

deposition of calcium oxalate crystals mainly in the brain and kidneys. Early signs and symptoms of EG poisoning may resemble those of alcohol intoxication. Later, the victim may experience nausea, vomiting, weakness, abdominal and muscle pain, difficulty in breathing and decreased urine output. When EG was heated above the boiling point of water, vapors formed which reportedly caused unconsciousness, increased lymphocyte count, and a rapid, jerky movement of the eyes in persons chronically exposed. When EG was administered orally to pregnant rats and mice, there was an increase in fetal deaths and birth defects. Some of these effects occurred at doses that had no toxic effects on the mothers. We are not aware of any reports that EG causes reproductive toxicity in human beings.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

ENVIRONMENTAL FATE:

This material is expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

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: NONE

DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

ADDITIONAL INFO: ETHYLENE GLYCOL - - NOT HAZARDOUS BY U.S. DOT
ADR/RID HAZARD CLASS - NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

5. Reactivity Hazard:

NO

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.

ETHYLENE GLYCOL

is found on lists: 01,02,10,11,12,13,14,28,29,

EU RISK AND SAFETY LABEL PHRASES:

R22: Harmful if swallowed.

R20: Harmful by inhalation.

R61: May cause harm to the unborn child.

S53: Avoid exposure - obtain special instructions before use.

S20: When using do not eat or drink.

S46: If swallowed, seek medical advice immediately and show this container or label.

S2: Keep out of reach of children.

WHMIS CLASSIFICATION:

Class D, Division 1, Subdivision B: Toxic Material

-Acute Lethality

Class D, Division 2, Subdivision A: Very Toxic Material

-Teratogenicity and Embryotoxicity

16. OTHER INFORMATION

NFPA RATINGS: Health 2; Flammability 1; Reactivity 0;
HMIS RATINGS: Health 2*; 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 updated Sections 3, and 15.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value TWA - Time Weighted Average
STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity

(- Reportable Quantity
C - Ceiling Limit
A1-5 - Appendix A Categories
NDA - No Data Available

PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number
() - Change Has Been Proposed
NA - Not Applicable

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

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON DELO 400 ESI Multigrade SAE 15W-40

→ Motor Oil 7-10 gallons

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 DELO 400 ESI Multigrade SAE 15W-40

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED		HEAVY PARAFFINIC	
CAS64742547	> 75.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL

ADDITIVES INCLUDING THE FOLLOWING
< 25.00%

ZINC ALKYL DITHIOPHOSPHATE

Chemical Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALT
CAS68649423 < 1.60% NONE NA

COMPOSITION COMMENT:

Revision Number: 2

Revision Date: 06/06/97

MSDS Number: 006444

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

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

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:

Not expected to cause prolonged or significant eye irritation.

SKIN:

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

INGESTION:

Not expected to be harmful if swallowed.

INHALATION:

Contains a petroleum-based mineral oil that may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of airborne levels above the recommended exposure limit.

4. FIRST AID MEASURES

EYE:

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

SKIN:

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

INGESTION:

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

INHALATION:

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

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not flammable or combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: NDA

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, water vapor and may produce oxides of sulfur and nitrogen. 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:

Brown 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:	14.6 cSt @ 100C (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

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: NDA
DOT HAZARD CLASS: NDA
DOT IDENTIFICATION NUMBER: NDA
DOT PACKING GROUP: NDA

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,

PHOSPHORODITHIOIC ACID, O,O-DI-CL-14-ALKYL ESTERS, ZINC SALTS

is found on lists: 01,11,

EEC 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:

MSDS DISCONTINUED - This Material Safety Data Sheet will no longer be updated. See MSDS 6711 for information on this material.

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.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Rock Drill Oil VISTAC ISO 100 *No volume released*

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 Rock Drill Oil VISTAC ISO 100

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
------------	--------	-----------	-------------

LUBRICATING BASE OIL CONTAINING ONE OR MORE OF THE FOLLOWING
> 95.00%

SOLVENT DEWAXED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
CAS64742650

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

HYDROTREATED DIST., HVY NAPHTH

Chemical Name: DISTILLATES, HYDROTREATED HEAVY NAPHTHENIC
CAS64742525

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

Revision Number: 7

Revision Date: 10/10/97

MSDS Number: 004503

HYDROTREATED DIST., HVY PARA

Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

CAS64742547

5 mg/m3 (mist)

ACGIH TWA

10 mg/m3 (mist)

ACGIH STEL

5 mg/m3 (mist)

OSHA PEL

ADDITIVES

< 5.00%

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

***** EMERGENCY OVERVIEW *****

Dark amber liquid.

- OIL MIST MAY CAUSE RESPIRATORY IRRITATION

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) 399F (204C) Min.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 0; 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; 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. Do not breathe oil mist at concentrations above the recommended exposure limits.

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: <Nitrile> <Silver Shield> <Viton> <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:

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: 0.87 @ 15.6/15.6C

VOLATILE ORGANIC

COMPOUNDS (VOC): NDA

EVAPORATION RATE: NA

VISCOSITY: 90 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 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).

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

The 96-hour LC50 in rainbow trout (*Oncorhynchus mykiss*) is > 5000 mg/l.

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: NDA
DOT HAZARD CLASS: NDA
DOT IDENTIFICATION NUMBER: NDA
DOT PACKING GROUP: NDA

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 NAPHTHENIC
is found on lists: 14,15,17,

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
is found on lists: 14,15,17,

DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
is found on lists: 14,15,17,

EEC 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 0; 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:

MSDS DISCONTINUED - This Material Safety Data Sheet will no longer be updated. See MSDS 6752 for information on this material.

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.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Clarity Hydraulic Oil AW ISO 32 *40 gallons*

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 Clarity Hydraulic Oil AW ISO 32

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	> 99.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL

ADDITIVES

< 1.00%

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

Revision Number: 2

Revision Date: 04/17/97

MSDS Number: 005894

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. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

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.

NOTE TO PHYSICIANS:

In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm

of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

5. FIRE FIGHTING MEASURES

SPECIAL NOTES: Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not flammable or combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 374F (190C) Min.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

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

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; 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.

Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

This material does not contain any CERCLA Hazardous Substances.

This material does not contain any SARA Title III Section 302 - Extremely Hazardous Substances.

This material does not contain any SARA Title III Section 313 - Toxic Chemicals.

7. HANDLING AND STORAGE

DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. 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 banded, and promptly returned to a drum reconditioner, or properly disposed of.

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:

Pale yellow liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY	
(AIR=1):	NA
BOILING POINT:	NA
FREEZING POINT:	NDA
MELTING POINT:	NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY: 0.86 @ 15.6/15.6C
EVAPORATION RATE: NA
VISCOSITY: 28.8 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 mean 24-hour Draize eye irritation score in rabbits is 2/110.

SKIN EFFECTS:

For a 4-hour exposure, the Primary Irritation Index (PII) in rabbits is: 0.7/8. The acute dermal LD50 in female rabbits is >2.0 g/kg.

ACUTE ORAL EFFECTS:

The acute oral LD50 in female rats is >5 g/l.

ACUTE INHALATION EFFECTS:

Based on animal data for similar materials, the inhalation LD50 (4-hour) is expected to be greater than 5 mg/l.

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:

The 96-hour LC50 for rainbow trout (*Oncorhynchus mykiss*) is >5000 mg/l

WAF. The 96-hour LC50 for mysid shrimp (*Mysidopsis bahia*) is >5000 mg/l WAF.

ENVIRONMENTAL FATE:

This material is considered inherently biodegradable. Small accidental leaks or releases of this material are not expected to present an environmental problem. See Section 6 for Accidental Release Measures.

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: NDA

DOT HAZARD CLASS: NDA

DOT IDENTIFICATION NUMBER: NDA

DOT PACKING GROUP: NDA

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,

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

MSDS DISCONTINUED - This Material Safety Data Sheet will no longer be updated. See MSDS 6691 for information on this material.

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.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Automatic Transmission Fluid DEXRON-III/MERCON

10 gallons

PRODUCT NUMBER(S): CPS226502

SYNONYM: AUTOMATIC TRANSMISSION FLUID
DEXRON - III
MERCON

COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

Chevron Products Company
Lubricants and Specialty Products
6001 Bollinger Canyon Rd., T3325/B10
San Ramon, CA 94583
www.chevron-lubricants.com

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 Request: (800)414-6737 email: lubemsds@chevron.com
Environmental, Safety, & Health Info: (925) 842-5535
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON Automatic Transmission Fluid DEXRON-III/MERCON

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
------------	--------	-----------	-------------

LUBRICATING BASE OIL CONTAINING ONE OR MORE OF THE FOLLOWING
> 80.00%

HYDROTREATED DIST., HVY PARA

Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
CAS64742547

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

Revision Number: 28

Revision Date: 08/08/01

MSDS Number: 000021

SOLVENT DEWAXED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC

CAS64742650

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

DISTILLATES, HYDROTREATED

Chemical Name: DISTILLATES, (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC

CAS64742558

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

DISTILLATES, SOLVENT-DEWAXED

Chemical Name: DISTILLATES, (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC

CAS64742569

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

SOLVENT REF. DIST. LT NAPHTHEN

Chemical Name: DISTILLATES, SOLVENT-REFINED LIGHT NAPHTHENIC

CAS64741975

5 mg/m3 (mist)	ACGIH TWA
5 mg/m3 (mist)	OSHA PEL

ADDITIVES

< 20.00%

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

IMMEDIATE 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. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

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. 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.

NOTE TO PHYSICIANS:

In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

5. FIRE FIGHTING MEASURES

SPECIAL NOTES: Leak/ruptures in high pressure systems using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

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

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 352F (178C) (Min.)

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

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

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited. For fires

involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorus. Combustion may form oxides of boron. 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, observing precautions in Exposure Controls/Personal Protection. 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 IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Container is not designed to contain pressure. Do not use pressure to empty container or it 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 containers should be completely drained, properly closed, 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

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Special Note: Do not use in breathing air apparatus or medical equipment.

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 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: <Nitrile> <Silver Shield> <Viton> <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:

Red liquid.

pH:	NA
VAPOR PRESSURE:	<0.01 mm Hg at 100F
VAPOR DENSITY	
(AIR=1):	Heavier than air.
BOILING POINT:	>600F (>315C)
FREEZING POINT:	NA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.86 @ 15.6/15.6C
VISCOSITY:	6.8 cSt @ 100C (Min.)
POUR POINT:	-39C

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

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:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

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: 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	31=OSHA STEL

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

DISTILLATES, SOLVENT-REFINED LIGHT NAPHTHENIC

is found on lists: 02,14,17,

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

is found on lists: 14,15,17,

DISTILLATES, (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC

is found on lists: 02,14,15,17,

DISTILLATES, (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC

is found on lists: 02,14,15,17,

DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC

is found on lists: 14,15,17,

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 revision updates Sections 1, 4, 10 and 12.

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 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



Chevron

Lubricants

Chevron Automatic Transmission Fluid DEXRON®-III/MERCON®

Customer Benefits

Chevron Automatic Transmission Fluid DEXRON-III/MERCON delivers value through

Protection against the formation of lacquers, sludge, or other harmful deposits.

Exceptional stability provided by excellent base oil and extra oxidation inhibitors.

Quiet performance — Especially effective in reducing transmission "chatter." Assures smooth, quiet action at all speeds.

Fast circulation during cold weather and excellent lubricating body when hot.

Features

Chevron Automatic Transmission Fluid DEXRON-III/MERCON is the latest high performance, multipurpose, power transmission fluid approved under DEXRON and MERCON specifications. It is developed for passenger car and light truck automatic transmissions.

It is formulated with ISOSYN™ base stocks and additives that provide oxidation and thermal stability, friction control, load-carrying ability, corrosion and wear protection, and prevent the accumulation of deposits and the formation of sludge, varnish, and foam.

Chevron Automatic Transmission Fluid DEXRON-III/MERCON provides outstanding durability.

Under the most severe operating conditions, Chevron Automatic Transmission Fluid DEXRON-III/MERCON:

- maintains friction control for smooth shift action
- is specially formulated to prevent shudder.
- retains low temperature fluidity and high temperature stability for long operating periods.
- protects automatic transmission fluid coolers from corrosion.
- practically eliminates transmission overhauls due to sludge, corrosion, wear of clutches and bands, gears and bearings, leakage past seals, and loss of frictional properties.



Applications

Chevron Automatic Transmission Fluid DEXRON-III/MERCON is designed for use in General Motors Corporation transmissions that specify a DEXRON-III, DEXRON-II or DEXRON-IIE fluid and Ford Motor Company transmissions that require a MERCON fluid.

It is an excellent choice in any transmission where the manufacturer recommends a DEXRON or MERCON qualified product. It is suitable for use in Mercedes-Benz passenger car automatic transmissions and ZF truck transmissions.

It is also recommended for transmissions, power steering systems, and hydraulic systems requiring a DEXRON-III, Allison C4 or Caterpillar TO-2 fluid.

Chevron Automatic Transmission Fluid DEXRON-III/MERCON is also used as a light oil in compressors, pumps and hydraulic systems.

- Always check your owners manual to determine the proper automatic transmission fluid for your transmission.
- Ford transmissions manufactured after 1996 may require a MERCON V automatic transmission fluid.
- Ford transmissions manufactured before 1977 and some pre-1982 transmissions require a Type F fluid such as Chevron ATF Type F.
- Chrysler transmissions manufactured after 1996 require a Type 7176® fluid such as Chevron ATF+3® Automatic Transmission Fluid.

Chevron Automatic Transmission Fluid DEXRON-III/MERCON meets or exceeds

manufacturer's performance requirements

Allison C4 Fluid
Caterpillar TO-2
Ford MERCON
General Motors DEXRON-III
Hagglunds-Denison HF-0
Vickers Pump
Voith DIWA Transmissions

Chevron Automatic Transmission Fluid DEXRON-III/MERCON has the following qualifications:

	West	East
Allison Transmission	C4-27773599	C4-27053498
Ford MERCON	M971002	M980802
General Motors DEXRON-III	G-34139	G-34116

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

Typical Test Data

SAE Grade	10W
CPS Number	226502
MSDS Number	0021
API Gravity	32.7
Viscosity, Kinematic cSt at 40°C cSt at 100°C	37.5 7.5
Viscosity, Saybolt SUS at 100°F SUS at 210°F	190 51
Viscosity, Brookfield cP at -40°C	15,000
Viscosity Index	172
Flash Point, °C(°F)	202(396)
Pour Point, °C(°F)	-48(-54)
Color	Red

Typical test data are average values only. Minor variations which do not affect performance are to be expected in normal manufacturing.

DEXRON is a registered trademark of General Motors Corporation.

MERCON is a registered trademark of Ford Motor Company.

Type 7176 and ATF+3 are registered trademarks of Chrysler Corporation.

WATER AL SAFE 'Y DATA SHEET

Conforms to 29 CFR 1910.1200 (OSHA HAZARD COMMUNICATION STANDARD)

ATHEA LABORATORIES, INC.
P.O. Box 23926
Milwaukee, WI 53223

PRODUCT NAME: TURBO TOWELS

EMERGENCY TELEPHONE NUMBERS: (414)354-6417 CHEMTREC (800) 424-9300

SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms:

TURBO TOWELS

Chemical Name/Synonyms:

N/A

Chemical Family: PREMOISTENED CLEANER /

DEGREASER TOWEL

Formula: MIXTURE

NFPA HAZARD IDENTIFICATION SYSTEM

HAZARD RATING		
HEALTH	0	4 - Extreme
FLAMMABILITY	0	3 - High
REACTIVITY	0	2 - Moderate
		1 - Slight
		0 - Insignificant

SECTION II - HAZARDOUS INGREDIENTS

Substance	Approx. %	OSHA PEL	ACGIH TLV	CARCINOGENICITY NPT IARC OSHA	CAS No.
-----------	--------------	-------------	--------------	----------------------------------	------------

CONTAINS NO HAZARDOUS COMPONENTS AS LISTED IN 29 CFR 1900.1000
OR OTHER PERTINENT SECTIONS OF OSHA REGULATIONS

SECTION III - PHYSICAL DATA

Boiling Point (°F): 210

Vapor Pressure (mm Hg): NOT DET.

Vapor Density (air = 1): > 1.0

Solubility in water: SOLUBLE

Appearance and Odor: LIGHT GREEN CLOTH IMPREGNATED WITH A CLEAR, WATER-WHITE LIQUID, CITRUS FRAGRANCE.

Specific Gravity: 0.995

% Volatile (volume %): < 90.0

Evaporation Rate (water = 1): ~1.0

pH: 9.5-10.0

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F): NONE

(test method): CLOSED CUP

Extinguishing Media: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Special Fire Fighting Procedure: COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire and Explosion Hazard: NONE

Flammable Limits in air (volume %)

Upper: N/A Lower: N/A

SECTION V - REACTIVITY DATA

Stability: STABLE

Incompatibility: NONE

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBONS

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE

SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value (TLV): NOT ESTABLISHED

Primary Route(s) of Exposure: EYE CONTACT, INGESTION

Effects of Overexposure: EYES: MILD IRRITATION AND REDNESS. INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, CRAMPS, VOMITING.

Emergency and First Aid Procedures: EYES: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. INGESTION: CONTACT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. GIVE AFFECTED PERSON SEVERAL GLASSES OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VII - SPILL OR LEAK PROTECTION

Steps to be taken if Material is Released or Spilled: FLUSH EFFECTED AREA WITH WATER.

Waste Disposal Method: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: USE WITH ADEQUATE VENTILATION

Ventilation: Local Exhaust: NOT REQUIRED

Protective Gloves: NOT REQUIRED

Other Protective Equipment: NOT REQUIRED

Mechanical: NOT REQUIRED

Eye Protection: NOT REQUIRED

SECTION IX - SPECIAL PROTECTION

Precautions to be Taken in Handling or Storage: STORE IN A COOL, DRY PLACE. PROTECT FROM FREEZING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN

SECTION X - REGULATORY INFORMATION

DOT Proper Shipping Name: NONE

DOT Class: NONE

DOT ID Number: NONE

DOT Packaging Group: NONE

SARA/TITLE III - CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 304.4): This product does not contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304.

SARA/TITLE III - List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product does not contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

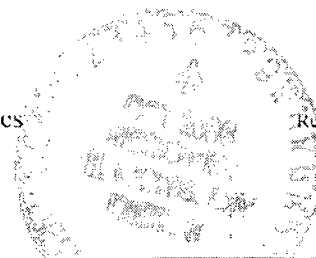
SARA/TITLE III - List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372): This product does not contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. ATHENA LABORATORIES, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO THE VENUEE, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENUEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THIS MATERIAL.

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 10/02/06	4. Generator: Conoco Phillips 5. Originating Site: State Com H #4A
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Scat
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Unit F: Sec 32; T 31N; R 9W San Juan County	Project #96052-663
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:

Accept hydrocarbon impacted soil with various lubricants from around compressor skid due to erosion sediment during rainstorm

CWS attached *Analyticals attached*

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

SIGNATURE *Denny G Foust* TITLE: Environmental Geologist DATE: 09/29/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Brandon Powell* TITLE: Enviro/Spec DATE: 10/6/06
APPROVED BY: *Denny G Foust* TITLE: ENVIRONMENTAL ENGINEER DATE: 10-18-06

OCT 11 2006

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

CHAIN OF CUSTODY RECORD

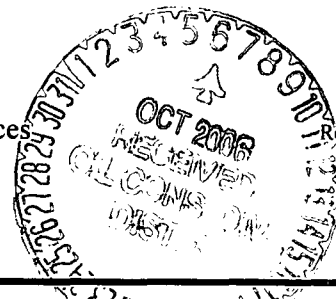
15795

Client / Project Name <i>Elm Ridge</i>			Project Location <i>Federal 3 No 43</i>		ANALYSIS / PARAMETERS								
Sampler:			Client No. <i>03056-040-035</i>		No. of Containers <i>1</i>	BTEX <i>X</i>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>Bottom AT 6'</i>	<i>4/10/06</i>	<i>1330</i>	<i>36733</i>	<i>Soil</i>									
Relinquished by: (Signature) <i>Mary Croft</i>			Date <i>4/10/06</i>	Time <i>1300</i>	Received by: (Signature) <i>Walter M. Walters</i>			Date <i>4/10/06</i>	Time <i>1300</i>				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
<div style="text-align: center;"> ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>										Sample Receipt			
											Y	N	N/A
										Received Intact	<input checked="" type="checkbox"/>		
										Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

District I
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Form C-138
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Submit Original
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Scat
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Unit F; Sec 32; T 31N; R 9W San Juan County	Project #96052-663
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:

Accept hydrocarbon impacted soil with various lubricants from around compressor skid due to erosion sediment during rainstorm

CWS attached *Analyticals attached*

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

SIGNATURE *Denny G Foust* TITLE: Environmental Geologist DATE: 09/29/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u><i>BP</i></u>	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th . St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): State Com H #4A API# 30-045-21708 hCOP	Location of the Waste (Street address &/or ULSTR): U- F S- 32 T- 31N R- 9W San Juan County, New Mexico
4. Source and Description of Waste Hydrocarbon impacted soil with various lubricants from around compressor skid due to erosion sediment during rainstorm.	
5. WO 4158523	

I, Gregg Wurtz representative for :
Print Name

Conoco Phillips 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: Env. Rep

Date: 10/2/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-026-284
Sample ID:	Compressor	Date Reported:	09-28-06
Laboratory Number:	38638	Date Sampled:	09-26-06
Chain of Custody:	1517	Date Received:	09-27-06
Sample Matrix:	Soil	Date Analyzed:	09-28-06
Preservative:	N/A	Date Digested:	09-28-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.246	0.001	5.0
Barium	7.68	0.001	100
Cadmium	0.088	0.001	1.0
Chromium	0.175	0.001	5.0
Lead	0.382	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 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: **State Com H #4**


Analyst


Review

EVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	09-28 TM QA/AC	Date Reported:	09-28-06
Laboratory Number:	38632	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	09-28-06
Condition:	N/A	Date Digested:	09-27-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.082	0.082	0.0%	0% - 30%
Barium	ND	ND	0.001	7.22	7.25	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.083	0.085	2.4%	0% - 30%
Chromium	ND	ND	0.001	0.105	0.109	3.8%	0% - 30%
Lead	ND	ND	0.001	0.335	0.334	0.3%	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%

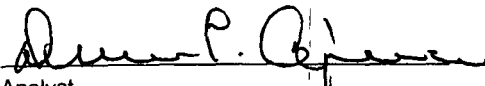
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.082	0.581	99.8%	80% - 120%
Barium	0.500	7.22	7.74	100.3%	80% - 120%
Cadmium	0.500	0.083	0.581	99.7%	80% - 120%
Chromium	0.500	0.105	0.604	99.8%	80% - 120%
Lead	0.500	0.335	0.833	99.8%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

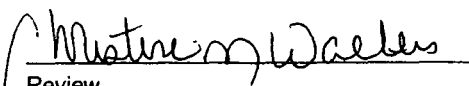
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SW-846, USEPA, December 1996.

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

Comments: QA/QC for Samples 38632, 38638


Analyst


Review

1517

san juan reproduction 578-129

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 10/5/06</i>		4. Generator: FJ Ponce / Larsen Trucking
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: CR 318, Ignacio CO
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) CR 318, Ignacio CO		8. State: Colorado to New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.		Project # 06180-001

BRIEF DESCRIPTION OF MATERIAL:

Accept soil contaminated with diesel from spill occurring when semi truck left roadway and damaged fuel tank. Hit tank on roadway causing the fuel tank to leak. *Pipe Hauler*

CWS and MSDS for diesel #2 attached.

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

SIGNATURE *Denny G Foust* TITLE: Environmental Geologist DATE: 10/05/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <i>[Signature]</i>	TITLE: <i>Enviro. Insp.</i>	DATE: <i>10-6-06</i>
APPROVED BY: <i>[Signature]</i>	TITLE: <i>Enviro. Engr.</i>	DATE: <i>10-18-06</i>

RECEIVED

OCT 11 2006

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

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ELm Ridge Fed #3-23	LF2	cont. Soil	F-12	20		Franks	443	8:20	Kevin Jones
2	Fed #3-23	LF2	cont. Soil	F-13	10		Franks	1	8:55	Kevin Jones
3	Fed #3-23	LF2	cont. Soil	F-14	10		Franks	2	8:40	Kevin Jones
4	Fed #3-23	LF2	cont. Soil	F-15	20		Franks	443	10:40	Kevin Jones
5	Fed #3-23	LF2	cont. Soil	F-16	10		Franks	1	10:45	E L
6	Fed #3-23	LF2	cont. Soil	F-12	10		Franks	2	10:45	E L
7	Fed #3-23	LF2	cont. Soil	F-14	20		Franks	443	12:50	E L
8	Fed #3-23	LF2	cont. Soil	F-14	10		Franks	1	12:50	E L
9	Fed #3-23	LF2	cont. Soil	F-16	10		Franks	2	12:50	RT
10	Fed #3-23	LF2	cont. Soil	F-17	20		Franks	443	3:30	RT
11	Fed #3-23	LF2	cont. Soil	F-17	10		Franks	1	3:30	RT
12	Fed #3-23	LF2	cont. Soil	F-17	10		Franks	2	3:30	RT
					160					

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jeffrey Miles COMPANY EnviroTech SIGNATURE Jeffrey Miles
 COMPANY CONTACT _____ PHONE _____ DATE 4-13-06

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
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Form C-138
Revised March 17, 1999

Submit Original
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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: CR 318, Ignacio CO
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: Envirotech
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Estimated Volume _____cy Known Volume (to be entered by the operator at the end of the haul) _____cy

SIGNATURE *Denny G Foust*
Waste Management Facility Authorized Agent

TITLE: Environmental Geologist DATE: 10/05/06

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *BP* TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

10-04-06:08:53AM



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary**Lori Wrotenberg**

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address FJ Ponce PO Box 232 La Jara CO 81140	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Dirt road off of CR 318 near Ignacio Ct	
Location of the Waste (Street address &/or ULSR):	
attach list of originating sites as appropriate	
4. Source and Description of Waste Diesel fuel leaked from damaged tank on semi. Hit tank on road while entering roadway	

I, Francisco Ponce representative for:

Print Name

FJ Ponce Larsen Trucking 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): Francisco PonceTitle: OwnerPhone Number: 505-927-3746Date: 10/4/06



MATERIAL SAFETY DATA SHEET

Phillips No. 2 Diesel

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Phillips No. 2 Diesel
Product Code: Multiple
Synonyms: #2 Distillate; #2 High Sulfur Diesel - Dyed; #2 Low Sulfur Diesel - Dyed 1354
CARB Diesel TF3; CARB Diesel; CARB Diesel 10% Diesel Fuel Oil
EPA Low Sulfur Diesel Fuel
EPA Low Sulfur Diesel Fuel - Dyed
EPA Off Road High Sulfur Diesel - Dyed
High Sulfur Diesel Fuel
Low Sulfur Diesel Fuel
No. 2 Diesel Fuel Oil
No. 2 High Sulfur Diesel - Dyed
No. 2 Low Sulfur Diesel - Dyed
No. 2 Low Sulfur Diesel - Undyed
No. 2 Low Sulfur Distillate
No. 2 Ultra Low Sulfur Diesel - Dyed
No. 2 Ultra Low Sulfur Diesel - Undyed
Intended Use: Fuel
Chemical Family: Petroleum Hydrocarbons
Responsible Party: Phillips 66
A Division of ConocoPhillips
Bartlesville, Oklahoma 74007

For Additional MSDSs 800-762-0942

Technical Information: 918-661-8327

The intended use of this product is indicated above. If any additional use is known, please contact us at the Technical Information number listed.

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

Spill, Leak, Fire or Accident

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

California Poison Control System: (800) 356-3129

Health Hazards/Precautionary Measures: Causes severe skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Wash thoroughly after handling.

Physical Hazards/Precautionary Measures: Flammable liquid and vapor. Keep away from heat, sparks, flames, static electricity or other sources of ignition.

Appearance: Straw-colored to dyed red

Physical form: Liquid

Odor: Characteristic petroleum

NFPA Hazard Class:

Health: 1 (Slight)
 Flammability: 2 (Moderate)
 Reactivity: 0 (Least)

HMIS Hazard Class

Health: 3* (High)
 Flammability: 2 (Moderate)
 Physical Hazard: 0 (Least)

*Indicates possible chronic health effects.

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>% VOLUME</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Diesel Fuel No. 2 CAS# 68476-34-6	100	100 mg/m3	ACGIH	TWA-SKIN
Naphthalene CAS# 91-20-3	<1	10 ppm	ACGIH	TWA
		15 ppm	ACGIH	STEL
		10 ppm	OSHA	TWA
		250 ppm	NIOSH	IDLH

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

1%=10,000 PPM.

All components are listed on the TSCA inventory.

3. HAZARDS IDENTIFICATION**Potential Health Effects:**

Eye: Contact may cause mild eye irritation including stinging, watering, and redness.

Skin: Severe skin irritant. Contact may cause redness, itching, burning, and severe skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation). Not acutely toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

Inhalation (Breathing): No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Ingestion (Swallowing): Low degree of toxicity by ingestion. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Signs and Symptoms: Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, nausea, diarrhea and transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

Cancer: Possible skin cancer hazard (see Sections 11 and 15).

Target Organs: There is limited evidence from animal studies that overexposure may cause injury to the kidney (see Section 11).

Developmental: Inadequate data available for this material.

Other Comments: This material may contain polynuclear aromatic hydrocarbons (PNAs) which have been known to produce a phototoxic reaction when contaminated skin is exposed to sunlight. The effect is similar in appearance to an exaggerated sunburn, and is temporary in duration if exposure is discontinued. Continued exposure to sunlight can result in more serious skin problems including pigmentation (discoloration), skin eruptions (pimples), and possible skin cancers.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders and kidney disorders.

4. FIRST AID MEASURES

Eye: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

Skin: Immediately remove contaminated shoes, clothing, and constrictive jewelry and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek immediate medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek immediate medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

Note To Physicians: High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. Often these injuries require extensive emergency surgical debridement and all injuries should be evaluated by a specialist in order to assess the extent of injury.

5. FIRE FIGHTING MEASURES

Flammable Properties:

- Flash Point: 125-180°F/52-82°C (PMCC)
- OSHA Flammability Class: Combustible liquid
- LEL%: 0.3 / UEL%: 10.0
- Autoignition Temperature: 500°F/260°C

Unusual Fire & Explosion Hazards: This material is flammable and can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Use foam on spills to minimize vapors (see Section 5). Spilled material may be absorbed into an appropriate absorbent material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharge. The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personal hygiene practices.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1 and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: A NIOSH certified air purifying respirator with an organic vapor cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and skin damage. Examples of approved materials are nitrile, or Viton® (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse. It is recommended that impervious clothing be worn when skin contact is possible.

Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance: Straw-colored to dyed red

Physical State: Liquid

Odor: Characteristic petroleum

pH: Not applicable

Vapor Pressure (mm Hg): 0.40

Vapor Density (air=1): >3

Boiling Point/Range: 300-690°F / 366

Freezing/Melting Point: No Data

Solubility in Water: Negligible

Specific Gravity: 0.81-0.88 @60°F

Percent Volatile: Negligible

Evaporation Rate (nBuAc=1): <1

Viscosity: 1.7-4.1 cSt @40°F

Bulk Density: 7.08 lbs/gal

Flash Point: 125-180°F / 52-82°C (PMCC)

Flammable/Explosive Limits (%): LEL: 0.3 / UEL: 10.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Flammable liquid and vapor. Vapor can cause flash fire.

Conditions To Avoid: Avoid all possible sources of ignition (see Sections 5 and 7).

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Hazardous Decomposition Products: The use of hydrocarbon fuels in an area without adequate ventilation may result in hazardous levels of combustion products (e.g., oxides of carbon, sulfur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels. ACGIH has included a TLV of 0.02 mg/m³ TWA for diesel exhaust particulate on its 2002 Notice of Intended Changes. See Section 11 for additional information on hazards of engine exhaust.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Diesel Fuel No. 2 (CAS# 68476-34-6)

Carcinogenicity: Chronic dermal application of certain middle distillate streams contained in diesel fuel No. 2 resulted in an increased incidence of skin tumors in mice. This material has not been identified as a carcinogen by NTP, IARC, or OSHA. IARC has classified Diesel exhaust as probably carcinogenic in humans.

Target Organ(s): Limited evidence of renal impairment has been noted from a few case reports involving excessive exposure to diesel fuel No. 2.

Naphthalene (CAS# 91-20-3)

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has been identified as a carcinogen by IARC.

Acute Data:

Diesel Fuel No. 2

Dermal LD50>5ml/kg (Rabbit)

LC50=No data available

Oral LD50=9 ml/kg (Rat)

12. ECOLOGICAL INFORMATION

Not evaluated at this time

13. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, would be a RCRA "characteristic" hazardous waste due to the characteristic(s) of ignitability (D001) and benzene (D018). If the spilled or released material impacts soil, water, or other media, characteristic testing of the contaminated materials may be required prior to their disposal. Further, this material, once it becomes a waste, is subject to the land disposal restrictions in 40 CFR 268.40 and may require treatment prior to disposal to meet specific standards. Consult state and local regulations to determine whether they are more stringent than the federal requirements.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: Diesel fuel, 3 or Combustible liquid*, UN1202**, III
Non-Bulk Package Marking: Diesel fuel, UN1202** or None
Non-Bulk Package Label: Flammable or None
Bulk Package Placard/Marking: Flammable/1202
Hazardous Substance/RQ: None
Packaging References: 49 CFR 173.150, 173.203, 173.241
Emergency Response Guide: 128

Note: *This product may be reclassified as a combustible liquid when shipped domestically or by rail or highway. If reclassified as a combustible liquid, this product is not regulated by DOT when shipped in non-bulk packages.

**NA1993 may be used instead of UN1202 for land transportation.

15. REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories):

Acute Health: Yes
Chronic Health: Yes
Fire Hazard: Yes
Pressure Hazard: No
Reactive Hazard: No

SARA 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Component	CAS Number	Weight %
Naphthalene	91-20-3	<1

California Proposition 65:

Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Effect
Benzene	Cancer, Developmental and Reproductive Toxicant
Toluene	Developmental Toxicant

Diesel engine exhaust, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

Carcinogen Identification:

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any. Diesel exhaust is a probable cancer hazard based on tests in laboratory animals. It has been identified as a carcinogen by IARC.

EPA (CERCLA) Reportable Quantity:

--None--

Canada - Domestic Substances List: Listed

WHMIS Class:

B2-Flammable Liquid

D2B-Materials causing other toxic effects - Toxic Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Issue Date: 02/13/03

Previous Issue Date: 01/01/03

Product Code: Multiple

Revised Sections: 1, 3, 5, 16

Previous Product Code: Multiple

MSDS Number: 001847

Status: Final

Disclaimer of Expressed and Implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. **HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.** No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL - BRANDON POWELL 8/23/06	4. Generator: San Juan Casing 5. Originating Site: Williams-Rosa #312 DIR 6. Transporter: TBA 8. State: New Mexico Project # 06145-001
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	
7. Location of Material (Street Address or ULSTR) Williams-Rosa #312 DIR	
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:

Accept soil contaminated with diesel. A truck fuel tank on a 2006 Ford F550 cracked and leaked diesel
CWS and MSDS for Phillips #2 diesel attached.

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

SIGNATURE Denny Foust TITLE: Landfarm Manager DATE: August 16, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro/Spec</u>	DATE: <u>8/23/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>9/20/06</u>

ENVIROTEC: INC.**Bill of Lading**

25090

MANIFEST #

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 4-17-06

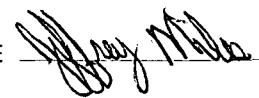
JOB # 03056-040-035

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Ejm Ridge Fed #3-23	LF2	cont. Soil	F-12	20		Franks	3	11:00	R T.
2	Fed #3-23	LF2	cont. Soil	F-13	10		Franks	1	11:00	Ronnie
3	Fed #3-23	LF2	cont. Soil	F-14	10		Franks	2	11:00	USCAR C.
4	Fed #3-23	LF2	cont. Soil	F-15	20		Franks	443	11:00	J L
5	Fed #3-23	LF2	cont. Soil	F-16	10		Franks	1	12:50	Ronnie
6	Fed #3-23	LF2	cont. Soil	F-17	20		Franks	443	1:10	J L
7	Fed #3-23	LF2	Cont. Soil	F-18	20		Franks	443	3:08	J L
8	Fed #3-23	LF2	Cont. Soil	F-19	10		Franks	1	3:09	Ronnie
9	Fed #3-23	LF2	Cont. Soil	F-16	10		Franks	2	4:45	USCAR Campos
					130					

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jeffrey Miles

COMPANY Envirotech

SIGNATURE COMPANY CONTACT
san juan reproduction 578-126

PHONE

DATE

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.
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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL – BRANDON POWELL 8/23/06	4. Generator: San Juan Casing 5. Originating Site: Williams-Rosa #312 DIR
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Williams-Rosa #312 DIR	Project # 06145-001
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:

Accept soil contaminated with diesel. A truck fuel tank on a 2006 Ford F550 cracked and leaked diesel.
CWS and MSDS for Phillips #2 diesel attached.



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

SIGNATURE Denny Foust TITLE: Landfarm Manager DATE: August 16, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY <u>Brandon Powell</u>	TITLE: _____	DATE: <u>8/28/06</u>
APPROVED BY _____	TITLE: _____	DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address San Juan Casing Service, LLC 6101 E Main St Farmington NM 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Williams Exploration & Production Well # Rosa Unit 312 DIR	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste Diesel fuel tank on 2006 Ford F-550 Cracked and Leaked Diesel	

I, Debra P. Uiscanti representative for :
Print Name

San Juan Casing Service, 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): Debra P. Uiscanti

Title: CFO

Phone Number: 325-5835

Date: 8-23-06



MATERIAL SAFETY DATA SHEET

Phillips No. 2 Diesel

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Phillips No. 2 Diesel
Product Code: Multiple
Synonyms: #2 Distillate; #2 High Sulfur Diesel - Dyed; #2 Low Sulfur Diesel - Dyed
1354
CARB Diesel TF3; CARB Diesel; CARB Diesel 10%
Diesel Fuel Oil
EPA Low Sulfur Diesel Fuel
EPA Low Sulfur Diesel Fuel - Dyed
EPA Off Road High Sulfur Diesel - Dyed
High Sulfur Diesel Fuel
Low Sulfur Diesel Fuel
No. 2 Diesel Fuel Oil
No. 2 High Sulfur Diesel - Dyed
No. 2 Low Sulfur Diesel - Dyed
No. 2 Low Sulfur Diesel - Undyed
No. 2 Low Sulfur Distillate
No. 2 Ultra Low Sulfur Diesel - Dyed
No. 2 Ultra Low Sulfur Diesel - Undyed
Intended Use: Fuel
Chemical Family: Petroleum Hydrocarbons
Responsible Party: Phillips 66
A Division of ConocoPhillips
Bartlesville, Oklahoma 74007

For Additional MSDSs 800-762-0942

Technical Information: 918-661-8327

The intended use of this product is indicated above. If any additional use is known, please contact us at the Technical Information number listed.

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

Spill, Leak, Fire or Accident
Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

California Poison Control System: (800) 356-3129

Health Hazards/Precautionary Measures: Causes severe skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Wash thoroughly after handling.

Physical Hazards/Precautionary Measures: Flammable liquid and vapor. Keep away from heat, sparks, flames, static electricity or other sources of ignition.

Appearance: Straw-colored to dyed red
Physical form: Liquid
Odor: Characteristic petroleum

NFPA Hazard Class:

Health: 1 (Slight)
 Flammability: 2 (Moderate)
 Reactivity: 0 (Least)

HMIS Hazard Class

Health: 3* (High)
 Flammability: 2 (Moderate)
 Physical Hazard: 0 (Least)

*Indicates possible chronic health effects.

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>% VOLUME</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Diesel Fuel No. 2 CAS# 68476-34-6	100	100 mg/m3	ACGIH	TWA-SKIN
Naphthalene CAS# 91-20-3	<1	10 ppm	ACGIH	TWA
		15 ppm	ACGIH	STEL
		10 ppm	OSHA	TWA
		250 ppm	NIOSH	IDLH

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

1%=10,000 PPM.

All components are listed on the TSCA inventory.

3. HAZARDS IDENTIFICATION**Potential Health Effects:**

Eye: Contact may cause mild eye irritation including stinging, watering, and redness.

Skin: Severe skin irritant. Contact may cause redness, itching, burning, and severe skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation). Not acutely toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

Inhalation (Breathing): No information available. Studies by other exposure routes suggest a low degree of toxicity by inhalation.

Ingestion (Swallowing): Low degree of toxicity by ingestion. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

Signs and Symptoms: Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, nausea, diarrhea and transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).

Cancer: Possible skin cancer hazard (see Sections 11 and 15).

Target Organs: There is limited evidence from animal studies that overexposure may cause injury to the kidney (see Section 11).

Developmental: Inadequate data available for this material.

Other Comments: This material may contain polynuclear aromatic hydrocarbons (PNAs) which have been known to produce a phototoxic reaction when contaminated skin is exposed to sunlight. The effect is similar in appearance to an exaggerated sunburn, and is temporary in duration if exposure is discontinued. Continued exposure to sunlight can result in more serious skin problems including pigmentation (discoloration), skin eruptions (pimples), and possible skin cancers.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders and kidney disorders.

4. FIRST AID MEASURES

Eye: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

Skin: Immediately remove contaminated shoes, clothing, and constrictive jewelry and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek immediate medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek immediate medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

Note To Physicians: High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. Often these injuries require extensive emergency surgical debridement and all injuries should be evaluated by a specialist in order to assess the extent of injury.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: 125-180°F/52-82°C (PMCC)
OSHA Flammability Class: Combustible liquid
LEL%: 0.3 / UEL%: 10.0
Autoignition Temperature: 500°F/260°C

Unusual Fire & Explosion Hazards: This material is flammable and can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Use foam on spills to minimize vapors (see Section 5). Spilled material may be absorbed into an appropriate absorbent material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharge. The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personal hygiene practices.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1 and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: A NIOSH certified air purifying respirator with an organic vapor cartridge may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and skin damage. Examples of approved materials are nitrile, or Viton® (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse. It is recommended that impervious clothing be worn when skin contact is possible.

Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance: Straw-colored to dyed red

Physical State: Liquid

Odor: Characteristic petroleum

pH: Not applicable

Vapor Pressure (mm Hg): 0.40

Vapor Density (air=1): >3

Boiling Point/Range: 300-690°F / 366

Freezing/Melting Point: No Data

Solubility in Water: Negligible

Specific Gravity: 0.81-0.88 @60°F

Percent Volatile: Negligible

Evaporation Rate (nBuAc=1): <1

Viscosity: 1.7-4.1 cSt @40°F

Bulk Density: 7.08 lbs/gal

Flash Point: 125-180°F / 52-82°C (PMCC)

Flammable/Explosive Limits (%): LEL: 0.3 / UEL: 10.0

10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Flammable liquid and vapor. Vapor can cause flash fire.

Conditions To Avoid: Avoid all possible sources of ignition (see Sections 5 and 7).

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Hazardous Decomposition Products: The use of hydrocarbon fuels in an area without adequate ventilation may result in hazardous levels of combustion products (e.g., oxides of carbon, sulfur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels. ACGIH has included a TLV of 0.02 mg/m³ TWA for diesel exhaust particulate on its 2002 Notice of Intended Changes. See Section 11 for additional information on hazards of engine exhaust.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Diesel Fuel No. 2 (CAS# 68476-34-6)

Carcinogenicity: Chronic dermal application of certain middle distillate streams contained in diesel fuel No. 2 resulted in an increased incidence of skin tumors in mice. This material has not been identified as a carcinogen by NTP, IARC, or OSHA. IARC has classified Diesel exhaust as probably carcinogenic in humans.

Target Organ(s): Limited evidence of renal impairment has been noted from a few case reports involving excessive exposure to diesel fuel No. 2.

Naphthalene (CAS# 91-20-3)

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has been identified as a carcinogen by IARC.

Acute Data:

Diesel Fuel No. 2

Dermal LD50>5ml/kg (Rabbit)

LC50=No data available

Oral LD50=9 ml/kg (Rat)

12. ECOLOGICAL INFORMATION

Not evaluated at this time

13. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, would be a RCRA "characteristic" hazardous waste due to the characteristic(s) of ignitability (D001) and benzene (D018). If the spilled or released material impacts soil, water, or other media, characteristic testing of the contaminated materials may be required prior to their disposal. Further, this material, once it becomes a waste, is subject to the land disposal restrictions in 40 CFR 268.40 and may require treatment prior to disposal to meet specific standards. Consult state and local regulations to determine whether they are more stringent than the federal requirements.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: Diesel fuel, 3 or Combustible liquid*, UN1202**, III

Non-Bulk Package Marking: Diesel fuel, UN1202** or None

Non-Bulk Package Label: Flammable or None

Bulk Package Placard/Marking: Flammable/1202

Hazardous Substance/RQ: None

Packaging References: 49 CFR 173.150, 173.203, 173.241

Emergency Response Guide: 128

Note: *This product may be reclassified as a combustible liquid when shipped domestically or by rail or highway. If reclassified as a combustible liquid, this product is not regulated by DOT when shipped in non-bulk packages.

**NA1993 may be used instead of UN1202 for land transportation.

15. REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories):

Acute Health: Yes

Chronic Health: Yes

Fire Hazard: Yes

Pressure Hazard: No

Reactive Hazard: No

SARA 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

Component	CAS Number	Weight %
Naphthalene	91-20-3	<1

California Proposition 65:

Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Effect
Benzene	Cancer, Developmental and Reproductive Toxicant
Toluene	Developmental Toxicant

Diesel engine exhaust, while not a component of this material, is on the Proposition 65 list of chemicals known to the State of California to cause cancer.

Carcinogen Identification:

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any. Diesel exhaust is a probable cancer hazard based on tests in laboratory animals. It has been identified as a carcinogen by IARC.

EPA (CERCLA) Reportable Quantity:

--None--

Canada - Domestic Substances List: Listed

WHMIS Class:

B2-Flammable Liquid

D2B-Materials causing other toxic effects - Toxic Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Issue Date: 02/13/03

Previous Issue Date: 01/01/03

Product Code: Multiple

Revised Sections: 1, 3, 5, 16

Previous Product Code: Multiple

MSDS Number: 001847

Status: Final

Disclaimer of Expressed and Implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. **HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE.** No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

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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
NOV 09 2006
Oil Conservation Division
1220 S. St. Francis Drive
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>		4. Generator: Conoco Phillips
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL FROM BRANDON POWELL 11/03/06		5. Originating Site: Krause WN Fed 5E
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Unit E; Sec 28; T 28N; R 11W San Juan County		Project: # 96052-673
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:

Accept approximately 4 cy soil contaminated with refined oil from spill from air compressors on location after oil filters on engine were loosened by vandals. Testing performed at Hall Environmental 10/16/2006 (RCRA Totals Metals results divisible by 20) showed the following levels: Arsenic nondetect; Barium 88 mg/Kg; Cadmium nondetect; Chromium 5.5 mg/Kg; Lead 4.5 mg/Kg; Selenium nondetect and Silver nondetect. Results divided by 20 showed Barium 4.4 (allowable 100.0); Chromium 0.275 (allowable 5.0); Lead 0.225 (allowable 5.0).

CWS and analyticals attached

RCUD NOV 10
OIL CONS. DIV

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

DIST. 3

SIGNATURE Denny G Foust TITLE: Environmental Geologist DATE: 11/03/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Brandon Powell TITLE: Enviro Spec DATE: 11/7/06
APPROVED BY: [Signature] TITLE: Enviro Engr DATE: 11/13/06

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 10-Apr-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	115
	200	
	500	
	1000	

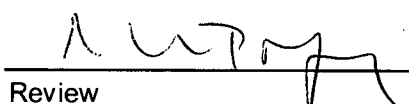
The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.



Analyst

5/2/06

Date



Review

5/3/06

Date

District I
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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Krause WN Fed 5E
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit E; Sec 28; T 28N; R 11W San Juan County	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept approximately 4 cy soil contaminated with refined oil from spill from air compressors on location after oil filters on engine were loosened by vandals. Testing performed at Hall Environmental 10/16/2006 (RCRA Totals Metals results divisible by 20) showed the following levels: Arsenic nondetect; Barium 88 mg/Kg; Cadmium nondetect; Chromium 5.5 mg/Kg; Lead 4.5 mg/Kg; Selenium nondetect and Silver nondetect. Results divided by 20 showed Barium 4.4 (allowable 100.0); Chromium 0.275 (allowable 5.0); Lead 0.225 (allowable 5.0).

CWS and analyticals attached

RCVD NOV 7 06

OIL CONS. DIV

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

DIST. 3

SIGNATURE Denny G Foust TITLE: Environmental Geologist DATE: 11/03/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: BP TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

A705⁶⁵⁵ 11.20 rd 96052-67

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th . St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): Krause WN Federal #5E hCOP API# 30-045-24121	Location of the Waste (Street address &/or ULSTR): U- E S- 28 T- 28N R- 11W San Juan County, New Mexico Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Refined oil from spill from air compressors on location after oil filters on engine were loosened. Approx. 4 cy.	
5. 40901119	

I, Gregg Wurtz representative for :
Print Name

Conoco Phillips 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): Gregg Wurtz

Title: Env. Rep

Date: 11/3/06

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Oct-06

CLIENT: Envirotech	Client Sample ID: 38856
Lab Order: 0610190	Collection Date: 10/16/2006 10:00:00 AM
Project: Conoco Phillips	Date Received: 10/18/2006
Lab ID: 0610190-01	Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 7471: MERCURY						
Mercury	ND	0.033		mg/Kg	1	Analyst: MAP 10/24/2006
EPA METHOD 6010B: SOIL METALS						
Arsenic	ND	12		mg/Kg	5	Analyst: NMO 10/20/2006 10:45:46 AM
Barium	88	0.50		mg/Kg	5	10/20/2006 10:45:46 AM
Cadmium	ND	0.50		mg/Kg	5	10/20/2006 10:45:46 AM
Chromium	5.5	1.5		mg/Kg	5	10/20/2006 10:45:46 AM
Lead	4.5	1.2		mg/Kg	5	10/20/2006 10:45:46 AM
Selenium	ND	12		mg/Kg	5	10/20/2006 10:45:46 AM
Silver	ND	1.2		mg/Kg	5	10/20/2006 10:45:46 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
 E Value above quantitation range
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 MCL Maximum Contaminant Level
 RL Reporting Limit

QA/QC SUMMARY REPORT

Client: Envirotech
Project: Conoco Phillips

Work Order: 0610190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW7471									
Sample ID: MB-11561		MBLK				Batch ID: 11561	Analysis Date: 10/24/2006		
Mercury	ND	mg/Kg	0.033						
Sample ID: LCS-11561		LCS				Batch ID: 11561	Analysis Date: 10/24/2006		
Mercury	0.1780	mg/Kg	0.033	107	80	120			
Method: SW6010A									
Sample ID: MB-11526		MBLK				Batch ID: 11526	Analysis Date: 10/20/2006 8:41:54 AM		
Arsenic	ND	mg/Kg	2.5						
Barium	ND	mg/Kg	0.10						
Cadmium	ND	mg/Kg	0.10						
Chromium	ND	mg/Kg	0.30						
Lead	ND	mg/Kg	0.25						
Silver	ND	mg/Kg	0.25						
Sample ID: MB-11526		MBLK				Batch ID: 11526	Analysis Date: 10/20/2006 8:41:54 AM		
Selenium	ND	mg/Kg	2.5						
Sample ID: LCS-11526		LCS				Batch ID: 11526	Analysis Date: 10/20/2006 8:45:00 AM		
Arsenic	26.11	mg/Kg	2.5	104	80	120			
Barium	23.92	mg/Kg	0.10	95.5	80	120			
Cadmium	24.41	mg/Kg	0.10	97.6	80	120			
Chromium	24.80	mg/Kg	0.30	99.2	80	120			
Lead	24.46	mg/Kg	0.25	97.9	80	120			
Silver	24.50	mg/Kg	0.25	98.0	80	120			
Sample ID: LCS-11526		LCS				Batch ID: 11526	Analysis Date: 10/20/2006 8:45:00 AM		
Selenium	22.47	mg/Kg	2.5	89.9	80	120			

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S 2/3 recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ENV T

Date and Time Received:

10/18/2006

Work Order Number 0610190

Received by

GLS

Checklist completed by

Signature

Date

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☐

Not Shipped ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

17°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

QA/QC Package: ☐ Std ☐ Level 4

Other: _____

Project Name: _____

CONOCO PHILLIPS

Project #:

5796 US Hwy 64

FARMINGTON NM

071101

Project Manager:

DENNIS AJEMAN

Phone #: 570 5 632 - 0651

Sampler: _____

FDX #:

Sample Temperature:

7. Cool

email: dajeman@emwitech-inc.com

	BTEX + M
	BTEX + M
	TPH Metho
	TPH (Meth
	EDB (Meth
	EOC (Meth
	8310 (PNA
	RCRA 8 Me
	Anions (F, C
	8081 Pest
	8260B (VO
	8270 (Sem
	Air Bubbles

	BTEX + MTBE + TMB's (8021)
	BTEX + MTBE + TPH (Gasoline Only)
	TPH Method 8015B (Gas/Diesel)
	TPH (Method 418.1)
	EDB (Method 504.1)
	EDC (Method 8021)
	8310 (PNA or PAH)
	✓ RCRA 8 Metals
	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
	8081 Pesticides / PCB's (8082)
	8260B (VOA)
	8270 (Semi-VOA)
	Air Bubbles or Headspace (Y or N)



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87108
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

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State of New Mexico
Energy Minerals and Natural Resources

NOV 07 2006

Form C-138
Revised March 17, 1999

Oil Conservation Division
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Santa Fe, NM 87505

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 11/07/2006		4. Generator: Halliburton Energy Services
		5. Originating Site: Wash Bay
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		6. Transporter: Envirotech
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		8. State: New Mexico
7. Location of Material (Street Address or ULSTR) 4109 E. Main Street, Farmington		Project #92132-001
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 grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 9/27/2006 attached.

RCVD NOV 7 01

OIL CONS. DIV.

DIST. 3

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

SIGNATURE Denny G. Foust TITLE: Environmental Geologist DATE: 11/6/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G. Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>11/7/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Eng</u>	DATE: <u>11/13/06</u>

ENVIRONMENTAL LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-14-BTEX QA/QC	Date Reported:	04-14-06
Laboratory Number:	36764	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	6.8656E+007	6.8793E+007	0.2%	ND	0.2
Toluene	7.8171E+007	7.8328E+007	0.2%	ND	0.2
Ethylbenzene	5.6253E+007	5.6365E+007	0.2%	ND	0.2
p,m-Xylene	1.4372E+008	1.4401E+008	0.2%	ND	0.2
o-Xylene	6.9168E+007	6.9307E+007	0.2%	ND	0.1

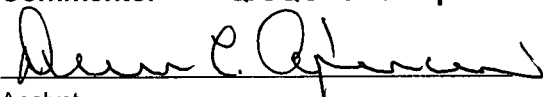
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	16.4	16.4	0.0%	0 - 30%	1.7
Ethylbenzene	5.5	5.5	0.0%	0 - 30%	1.5
p,m-Xylene	66.5	66.4	0.2%	0 - 30%	2.2
o-Xylene	17.5	17.4	0.6%	0 - 30%	1.0

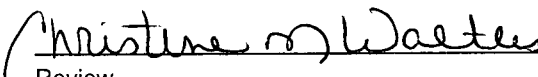
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	16.4	50.0	66.3	99.8%	46 - 148
Ethylbenzene	5.5	50.0	55.5	100.0%	32 - 160
p,m-Xylene	66.5	100	166	99.9%	46 - 148
o-Xylene	17.5	50.0	67.4	99.9%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 36764 - 36766, 36768, 36770 - 36771.


Analyst


Review

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Envirotech
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) 4109 E. Main Street, Farmington	Project #92132-001
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:

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CWS, and TCLP dated 9/27/2006 attached.

RCVD NOV 7 0
OIL CONS. DI
DIST. 3

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

SIGNATURE Denny G Foust TITLE: Environmental Geologist DATE: 11/6/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Denny G Foust TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: BP TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Services 4109 E. Main Farmington NM. 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton Energy Services. Main Yard	Location of the Waste (Street address &/or ULSTR): 4109 East Main Farmington NM.
attach list of originating sites as appropriate	
4. Source and Description of Waste Dirt, Mud, from Truck washing operations. Waste is from grit pit in wash bays.	

I, Richard Fussner representative for :
Print Name

Halliburton Energy 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): Richard Fussner 196473

Title: Facilities Supervisor

Phone Number: 505 324-3500

Date: Nov. 6, 2006

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump	Date Reported:	09-27-06
Lab ID#:	38633	Date Sampled:	09-27-06
Sample Matrix:	Sludge / Soil	Date Received:	09-27-06
Preservative:	Cool	Date Analyzed:	09-27-06
Condition:	Cool and Intact	Chain of Custody:	1515

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

IGNITABILITY: Negative

CORROSIVITY: Negative

pH = 7.81

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: Wash Bay Sump


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	09-27-06
Chain of Custody:	1515	Date Received:	09-27-06
Sample Matrix:	TCLP Extract	Date Extracted:	09-27-06
Preservative:	Cool	Date Analyzed:	10-03-06
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

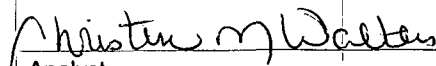
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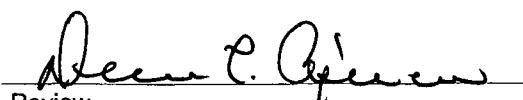
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99.8%
	1,4-difluorobenzene	99.9%
	4-bromochlorobenzene	99.8%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using
PID and/or ECD Detectors, SW-846, USEPA, December 1996.

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

Comments: **Wash Bay Sump.**


Analyst


Review

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	09-27-06
Chain of Custody:	1515	Date Received:	09-27-06
Sample Matrix:	TCLP Extract	Date Extracted:	09-27-06
Preservative:	Cool	Date Analyzed:	10-03-06
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	100%

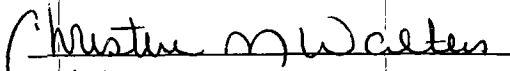
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: Wash Bay Sump.


Analyst


Review

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	09-27-06
Chain of Custody:	1515	Date Received:	09-27-06
Sample Matrix:	TCLP Extract	Date Extracted:	09-27-06
Preservative:	Cool	Date Analyzed:	10-03-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	0.077	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

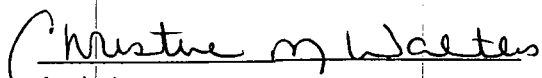
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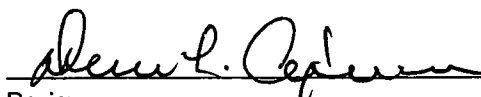
Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 8091, 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: **Wash Bay Sump.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump	Date Reported:	09-28-06
Laboratory Number:	38633	Date Sampled:	09-27-06
Chain of Custody:	1515	Date Received:	09-27-06
Sample Matrix:	TCLP Extract	Date Analyzed:	09-28-06
Preservative:	Cool	Date Extracted:	09-27-06
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.052	0.001	5.0
Barium	1.21	0.001	100
Cadmium	0.014	0.001	1.0
Chromium	0.006	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.129	0.001	1.0
Silver	0.001	0.001	5.0

ND - Parameter not detected at the stated detection limit.

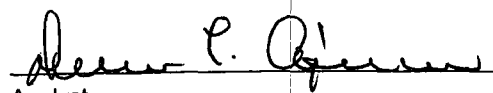
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

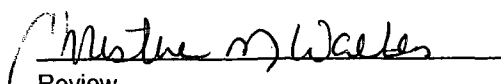
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: **Wash Bay Sump**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

EPA METHOD 8260
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

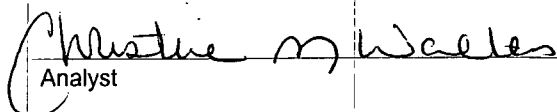
Client:	QA/QC	Project #:	N/A
Sample ID:	10-03-TCV QA/QC	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	N/A
Sample Matrix:	N/A	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-03-06
Condition:	N/A	Analysis Requested:	TCLP

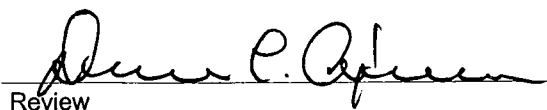
Blanks & Duplicate Concentration (mg/L)	Detection Limit	Laboratory Blank	Method Blank	Sample Conc.	Duplicate Conc.	Percent Difference
Vinyl Chloride	0.0001	ND	ND	ND	ND	0.0%
1,1-Dichloroethene	0.0001	ND	ND	ND	ND	0.0%
2-Butanone (MEK)	0.0001	ND	ND	ND	ND	0.0%
Chloroform	0.0001	ND	ND	ND	ND	0.0%
Carbon Tetrachloride	0.0001	ND	ND	ND	ND	0.0%
Benzene	0.0001	ND	ND	ND	ND	0.0%
1,2-Dichloroethane	0.0001	ND	ND	ND	ND	0.0%
Trichloroethene	0.0003	ND	ND	ND	ND	0.0%
Tetrachloroethene	0.0005	ND	ND	ND	ND	0.0%
Chlorobenzene	0.0003	ND	ND	ND	ND	0.0%
1,4-Dichlorobenzene	0.0002	ND	ND	ND	ND	0.0%

Matrix Spike Concentration (mg/L)	Amount Spiked	Sample Result	Spike Result	Percent Recovery	Acceptable Range
Vinyl Chloride	0.1000	ND	0.0999	99.9%	26-163
1,1-Dichloroethene	0.1000	ND	0.1000	100.0%	43-143
2-Butanone (MEK)	0.1000	ND	0.1000	100.0%	47-132
Chloroform	0.1000	ND	0.0998	99.8%	49-133
Carbon Tetrachloride	0.1000	ND	0.0999	99.9%	43-143
Benzene	0.1000	ND	0.1000	100.0%	39-150
1,2-Dichloroethane	0.1000	ND	0.0998	99.8%	51-147
Trichloroethene	0.1000	ND	0.0993	99.3%	35-146
Tetrachloroethene	0.1000	ND	0.0999	99.9%	26-162
Chlorobenzene	0.1000	ND	0.0994	99.4%	38-150
1,4-Dichlorobenzene	0.1000	ND	0.0999	99.9%	42-143

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using PID and/or ECD Detectors, SW-846, USEPA, December 1996.

Comments: QA/QC for sample 38633 and 38649.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	10-03-TCA QA/QC	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-03-06
Condition:	N/A	Analysis Requested:	TCLP

Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
o-Cresol	ND	ND	0.020	ND	ND	0.0%
p,m-Cresol	ND	ND	0.040	ND	ND	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	ND	ND	0.0%
Pentachlorophenol	ND	ND	0.020	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

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 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for sample 38633 and 38649.

Christine M. Wallen
Analyst

Devin P. Copley
Review

Nitroaromatics and Cyclic Ketones
Quality Assurance Report

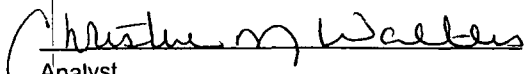
Client:	QA/QC	Project #:	N/A
Sample ID:	10-03-TBN QA/QC	Date Reported:	10-03-06
Laboratory Number:	38633	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-03-06
Condition:	N/A	Analysis Requested:	TCLP

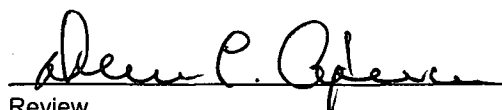
Blanks & Duplicate Conc (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	Percent Diff.
Pyridine	ND	ND	0.020	ND	ND	0.00%
Hexachloroethane	ND	ND	0.020	ND	ND	0.00%
Nitrobenzene	ND	ND	0.020	0.077	0.075	0.28%
Hexachlorobutadiene	ND	ND	0.020	ND	ND	0.00%
2,4-Dinitrotoluene	ND	ND	0.020	ND	ND	0.00%
HexachloroBenzene	ND	ND	0.020	ND	ND	0.00%

ND - Parameter not detected at the stated detection limit.

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 8091, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Comments: QA/QC for samples 38633 and 38649.


Analyst


Review

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

Client:	N/A	Project #:	N/A
Sample ID:	09-28-TCM QA/QC	Date Reported:	09-28-06
Laboratory Number:	38633	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	09-28-06
Condition:	N/A	Date Extracted:	09-27-06

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.052	0.056	7.7%	0% - 30%
Barium	ND	ND	0.001	1.21	1.19	1.7%	0% - 30%
Cadmium	ND	ND	0.001	0.014	0.014	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.129	0.132	2.3%	0% - 30%
Silver	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.052	0.551	99.8%	80% - 120%
Barium	0.500	1.21	1.70	99.4%	80% - 120%
Cadmium	0.500	0.014	0.512	99.6%	80% - 120%
Chromium	0.500	0.006	0.506	100.0%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	0.129	0.627	99.7%	80% - 120%
Silver	0.500	0.001	0.501	100.0%	80% - 120%

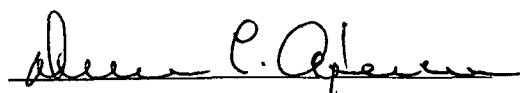
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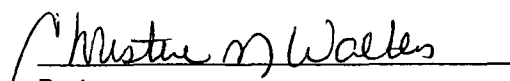
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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 38633


Analyst


Review

1515

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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL BRANDON POWELL 8/1/06	4. Generator: Burlington Resources
2. Management Facility Destination: Envirotech Soil Remediation Facility. Landfarm #2	5. Originating Site: San Juan 32-9 #115
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit I; Sec 1, T 31N; R 10W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept hydrocarbon impacted soil from a cleanup of a small spill of new compressor oil.

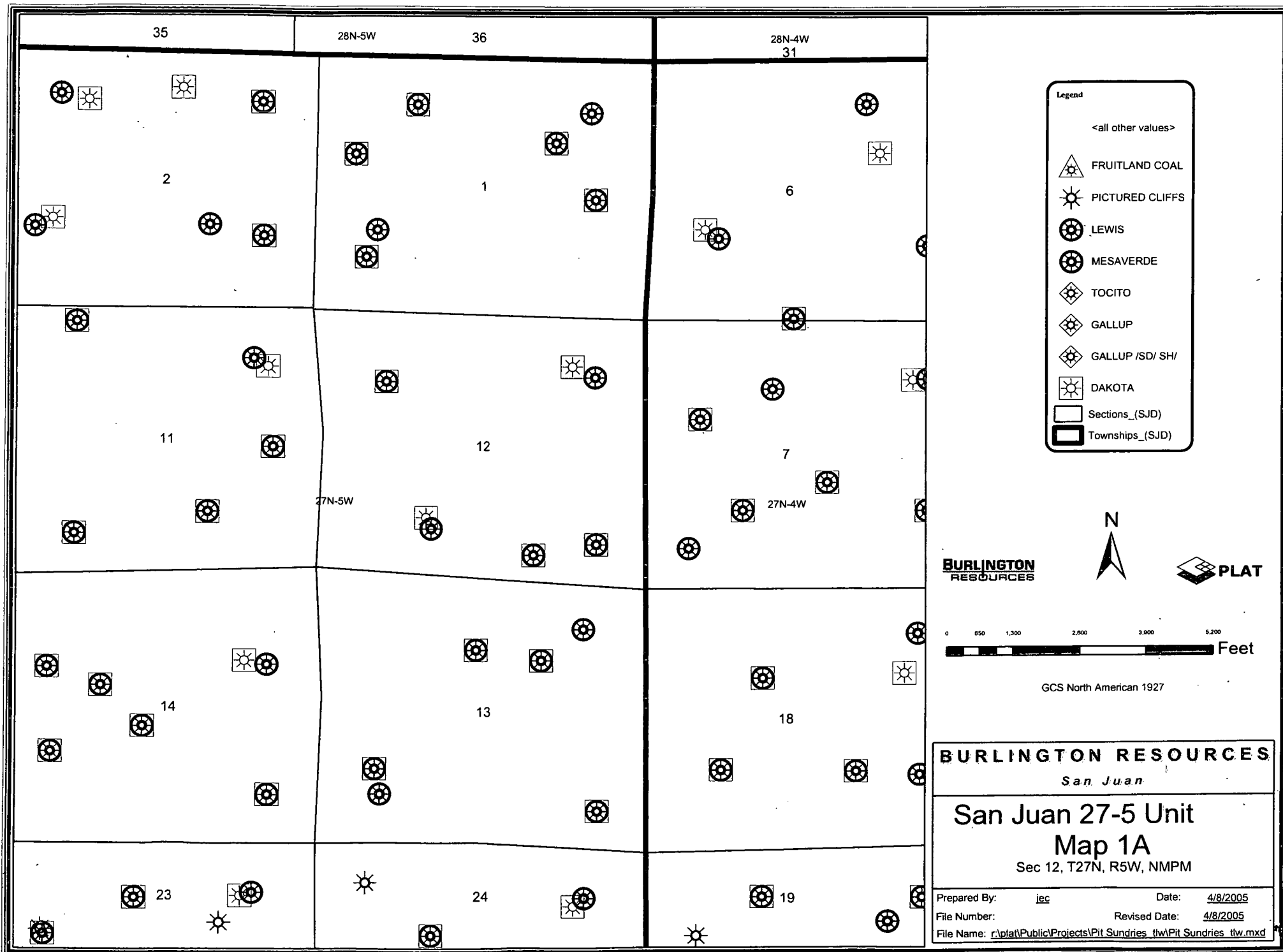
CWS and MSDS for Exxon Mobil Pegasus 805 attached.

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

SIGNATURE Morris D Young TITLE: Landfarm Manager DATE: 08/01/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/spec</u>	DATE: <u>8/1/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro ENGR</u>	DATE: <u>8/30/06</u>



Legend

<all other values>

- FRUITLAND COAL
- PICTURED CLIFFS
- LEWIS
- MESAVERDE
- TOCITO
- GALLUP
- GALLUP /SD/ SH/
- DAKOTA
- Sections_(SJD)
- Townships_(SJD)

BURLINGTON RESOURCES

PLAT

N

0 850 1,300 2,900 3,000 5,200 Feet

GCS North American 1927

BURLINGTON RESOURCES

San Juan

San Juan 27-5 Unit

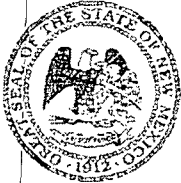
Map 1A

Sec 12, T27N, R5W, NMPM

Prepared By: jec Date: 4/8/2005

File Number: Revised Date: 4/8/2005

File Name: r:\plat\Public\Projects\Pit Sundries tw\Pit Sundries tw.mxd



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Burlington Resources 3401 E 30 th St. Farmington, New Mexico 87499	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, NM Phone # 505-632-0615 Fax No# 505-632-1865
3. Originating Site (name): San Juan 32-9 Unit #115	Location of the Waste (Street address &/or ULSTR): UL- <u>L</u> S- <u>1</u> T- <u>31N</u> R- <u>10W</u> or attach list Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Hydrocarbon impacted soil from the cleanup of a small spill of new compressor oil.	
5.	

I, Ed Hasely representative for:
Print Name

ConocoPhillips 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.

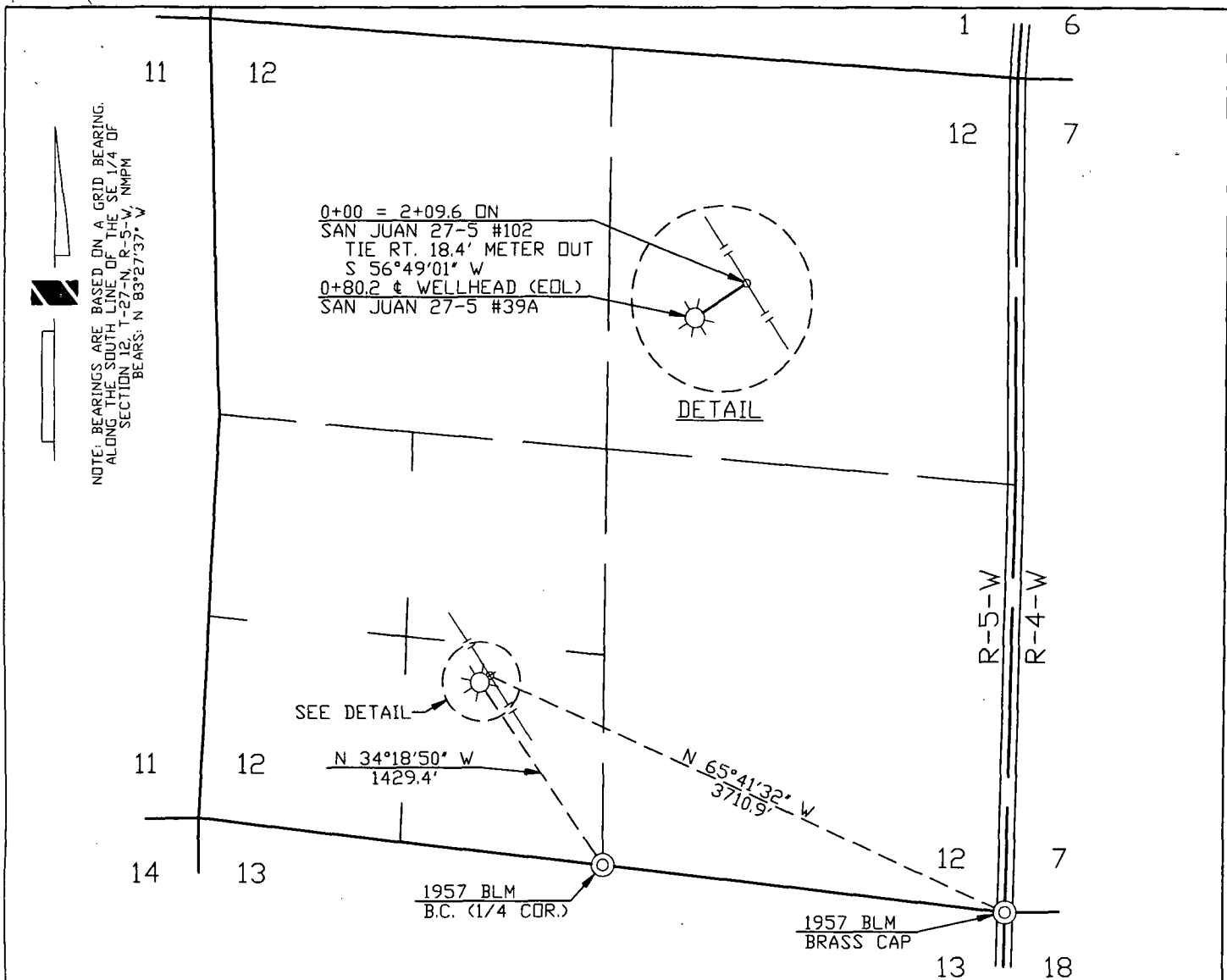
For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☒ 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): Ed Hasely

Title: Env. Rep
Date: 8/1/06



PIPE DATA										
OWNERSHIP	SUBDIVISION		OWNER		FEET	MILES	ACRES	RODS		
	0+00 TO 0+80.2		BUREAU OF LAND MANAGEMENT		80.2	0.015	0.074	4.861		
REVISION	1	8/11/05	AM	ISSUED FOR REVIEW		PB				
	NO.	DATE	BY	DESCRIPTION	W.D.NO.	CHK.	APP.	NO.	DATE	BY
				DESCRIPTION	W.D.NO.	CHK.	APP.			
INFO		DRAFTING	BY	DATE	STATE: NEW MEXICO		WILLIAMS FIELD SERVICES			
R/W #:	06201	DRAWN BY	AM	8/11/05	COUNTY: RIO ARriba		ONE OF THE WILLIAMS COMPANIES			
METER #:		CHECKED BY	PB	8/15/05	SAN JUAN GATHERING SYSTEM BROG - SAN JUAN 27-5 #39A 0+00 = 2+09.6 ON SAN JUAN 27-5 #102 (REF DWG. 7L765.0-49-1) SEC. 12, T-27-N, R-5-W, NMPM					
SURVEYED:	8/8/05	APPROVED BY								
		ENGINEER	BY	DATE						
		DESIGNED BY			SCALE: 1" = 1000'		DWG NO.		7L765.0-185-1	SHEET
		PROJ. APPROVED			W.D. NO.				1 OF 1	REV
									1	1



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Burlington Resources 3401 E 30 th St. Farmington, New Mexico 87499	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, NM Phone # 505-632-0615 Fax No# 505-632-1865
3. Originating Site (name): San Juan 32-9 Unit #115	Location of the Waste (Street address &/or ULSTR): UL <u>L</u> S- <u>1</u> T- <u>31N</u> R- <u>10W</u> or attach list Street Address: _____ attach list of originating sites as appropriate
4. Source and Description of Waste Hydrocarbon impacted soil from the cleanup of a small compressor oil spill	
5.	

I, Ed Hasely representative for _____
Print Name

ConocoPhillips

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.

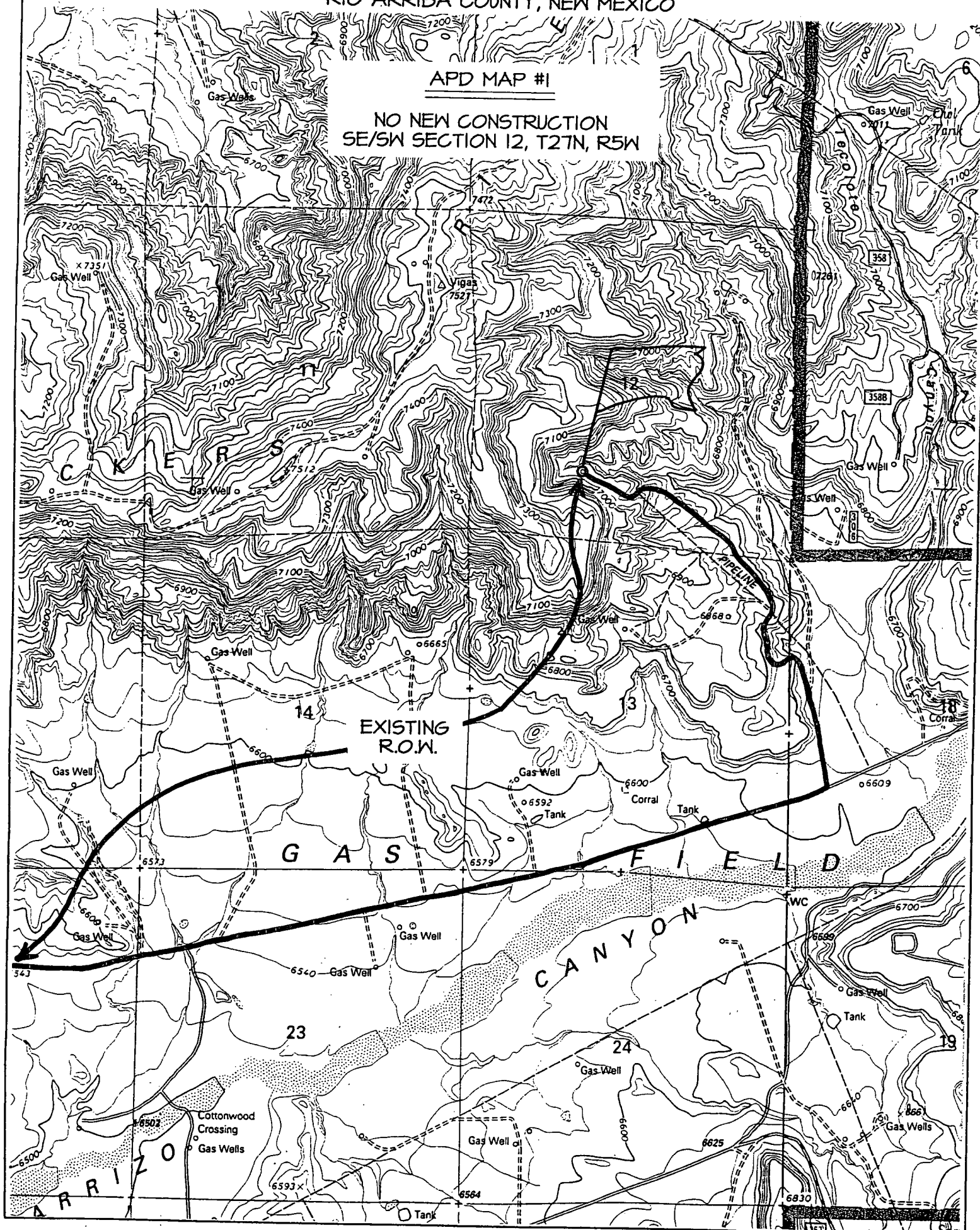
Name (Original Signature): Ed Hasely

Title: Env. Rep

Date: 8/1/06

1085' FSL & 1800' FWL, SECTION 12, T27N, R5W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO

NO NEW CONSTRUCTION
SE/SW SECTION 12, T27N, R5W



599-7005 U/H Ed Hasky

ExxonMobil

ST 32-9 # 115

602466-00 MOBIL PEGASUS 805
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 805
SUPPLIER: EXXONMOBIL OIL CORPORATION
3225 GALLOWES RD.
FAIRFAX, VA 22037

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

24 - Hour Transportation Emergency:
CHEMTREC: 800-424-9300 202-483-7616
LUBES AND FUELS: 281-834-3296

Product and Technical Information:
Lubricants and Specialties: 800-662-4525 800-443-9966
Fuels Products: 800-947-9147
MSDS Fax on Demand: 613-228-1467
MSDS Internet Website: <http://emmsds.fhssolutions.com/>

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

OTHER INGREDIENTS:

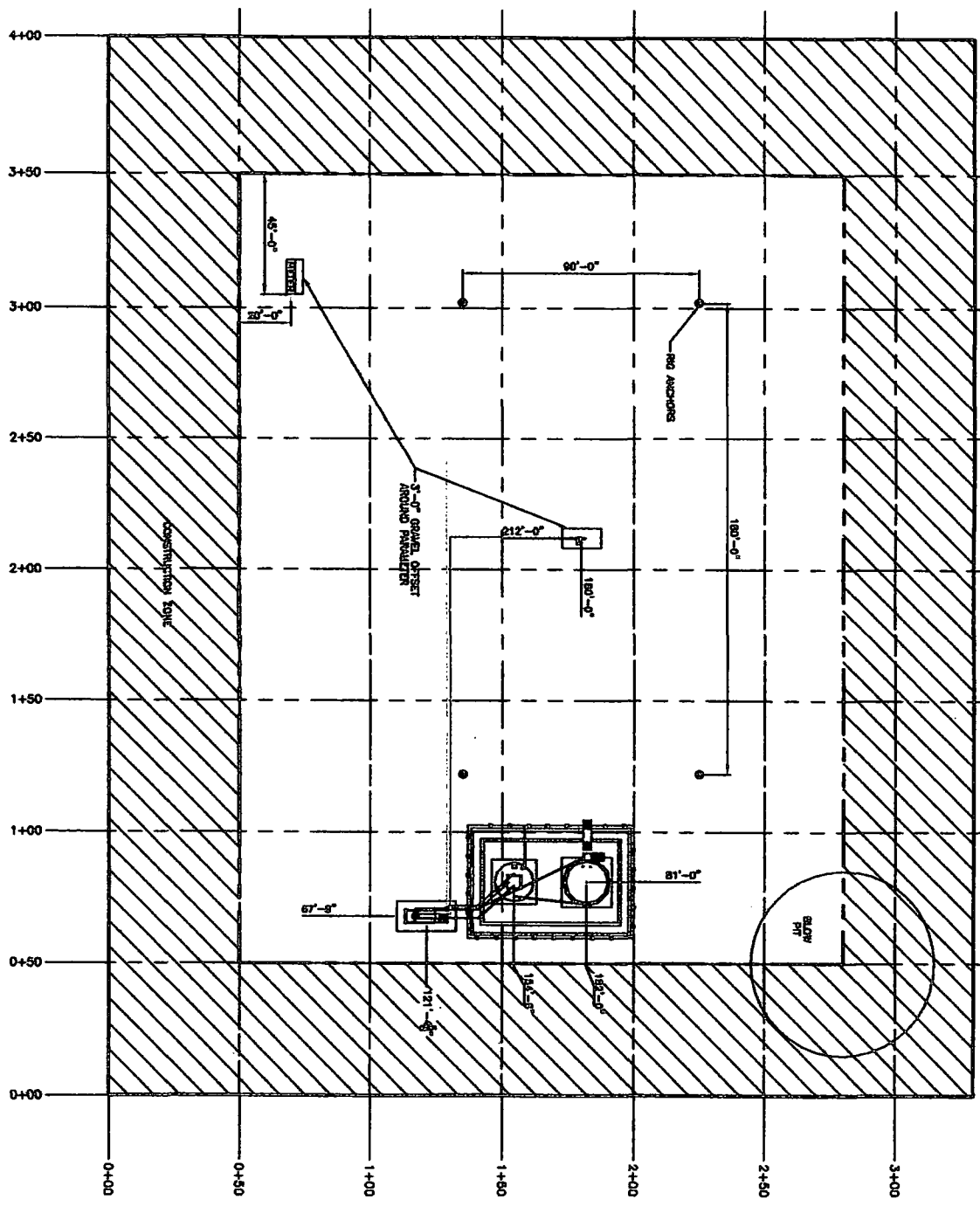
Substance Name	Approx. Wt%
POLY BUTENYL SUCCINIMIDE	1-5

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)..

FLOW LINE 1
SALES LINE



SEE SHEET 3 & 4 FOR PROPOSED FACILITY
ALL DIMENSIONS ARE IN FEET AND INCHES. A MIN. OF 5'-0" FOR

EXISTING CONDITIONS		PROPOSED CONDITIONS	
NO.	DESCRIPTION	NO.	DESCRIPTION
1	EXISTING FACILITY	1	PROPOSED FACILITY
2	EXISTING FACILITY	2	PROPOSED FACILITY
3	EXISTING FACILITY	3	PROPOSED FACILITY
4	EXISTING FACILITY	4	PROPOSED FACILITY
5	EXISTING FACILITY	5	PROPOSED FACILITY
6	EXISTING FACILITY	6	PROPOSED FACILITY
7	EXISTING FACILITY	7	PROPOSED FACILITY
8	EXISTING FACILITY	8	PROPOSED FACILITY
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98	EXISTING FACILITY	98	PROPOSED FACILITY
99	EXISTING FACILITY	99	PROPOSED FACILITY
100	EXISTING FACILITY	100	PROPOSED FACILITY

PARSONS
FARMINGTON, NEW MEXICO
HIGH PRESSURE MESA VERDE/DAKOTA
FACILITY DIAGRAM - SITE LAYOUT
SHEET 1 OF 4

EMERGENCY OVERVIEW: Light 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): > 245(473) (ASTM D-92).

Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0%

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

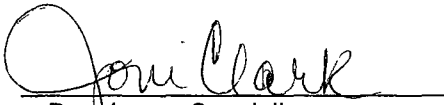
6. ACCIDENTAL RELEASE MEASURES

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

9. Surface Ownership – Bureau of Land Management
10. Other Information - Environmental stipulations as outlined by the responsible government agency will be adhered to. Refer to the archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
11. Operator's Representative and Certification - Burlington Resources Oil & Gas Company General Manager Compliance, Post Office Box 4289, Farmington, NM 87499, telephone (505) 326-9700. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan, are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Burlington Resources Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.
12. Location assessed for H2S exposure. No concentration expected above PHV levels.
13. This well is twinned with the San Juan 27-5 Unit #102.
14. Place culverts at access road and as needed on old access road.
15. Build diversion ditch around east and west sides, draining north.
16. Slopes: 2:1 on pit side of location.
17. Archeological Report from Aztec Archeological Consultants, LLC, Report #AAC-2005-051.


Regulatory Specialist

3/7/06
Date

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

BURLINGTON RESOURCES

Multi-Point Surface Use Plan San Juan 27-5 Unit #102P

1. Existing Roads - Refer to Map No. 1. Existing roads used to access the proposed location will be properly maintained for the duration of the project. Bureau of Land Management right-of-way has been applied for as shown on Map No. 1.
2. Planned Access Road - Refer to Map No. 1. No new access road is required.
3. Location of Existing Wells - Refer to Map No. 1A.
4. Location of Existing and/or Proposed Facilities if Well is Productive -
 - a. On the Well Pad - Refer to Plat No. 1, anticipated production facilities plat.
 - b. Off the Well Pad - Anticipated pipeline facilities will be Williams Field Services
 - c. New construction of the well pad will be kept within the construction parameters and used for life of the well as shown on the attached Cut and Fill Diagram, including Construction Zone.
5. Location and Type of Water Supply - Water will be hauled by truck for the proposed project from the 44 Crossing Water Hole located in NE/4 Section 18, T-27-N, R-4-W, New Mexico .
6. Source of Construction Materials - If construction materials are required for the proposed project, such materials will be obtained from a commercial or appropriately designated quarry.
7. Well site Layout - Refer to the location diagram and to the well site cut and fill diagram (Figure No. 4). The blow pit will be constructed with the appropriate grade that will allow positive drainage to the reserve pit and prevent standing liquids in the blow pit.
8. Plans for Restoration of the Surface - All garbage and trash materials will be removed from the site for proper disposal. Proper fluid management will be employed for all drilling, completion, and work over fluids. If liquids are left in the reserve pit after completion of the project, the liquids will be hauled to appropriate facility. During reclamation, the pit closure procedures on file with the NMOCD as shown on Exhibit I (Drilling Pit Closure Procedures) will be adhered to. Pit liner procedures outlined in this multi-point surface use plan are on file with the New Mexico Oil Conservation Division as shown on Exhibit II (Pit Construction and Operations Procedures). Federal regulations will be adhered to regarding handling and disposal of such waste if so generated. After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Revegetation will take place after the completion of the well, and the entire well pad will be reclaimed after the well is plugged and abandoned, as stated in the Surface Operating Standards for Oil and Gas Exploration and Development ("Gold Book") in Chapter 6, page 33. The permanent location facilities will be seasonally painted to maximum effectiveness and in the appropriate color designated by the responsible government agency.

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: Light Amber
ODOR: Marketable
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): > 288(550)
MELTING POINT C(F): NA
FLASH POINT C(F): > 245(473) (ASTM D-92)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY C(F): 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: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: 130.0
VISCOSITY AT 100 C, cSt: 13.5
POUR POINT C(F): < -12(10)
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

North Reference Sheet for Sec. 11-T31N-R04W - Rosa Unit #347

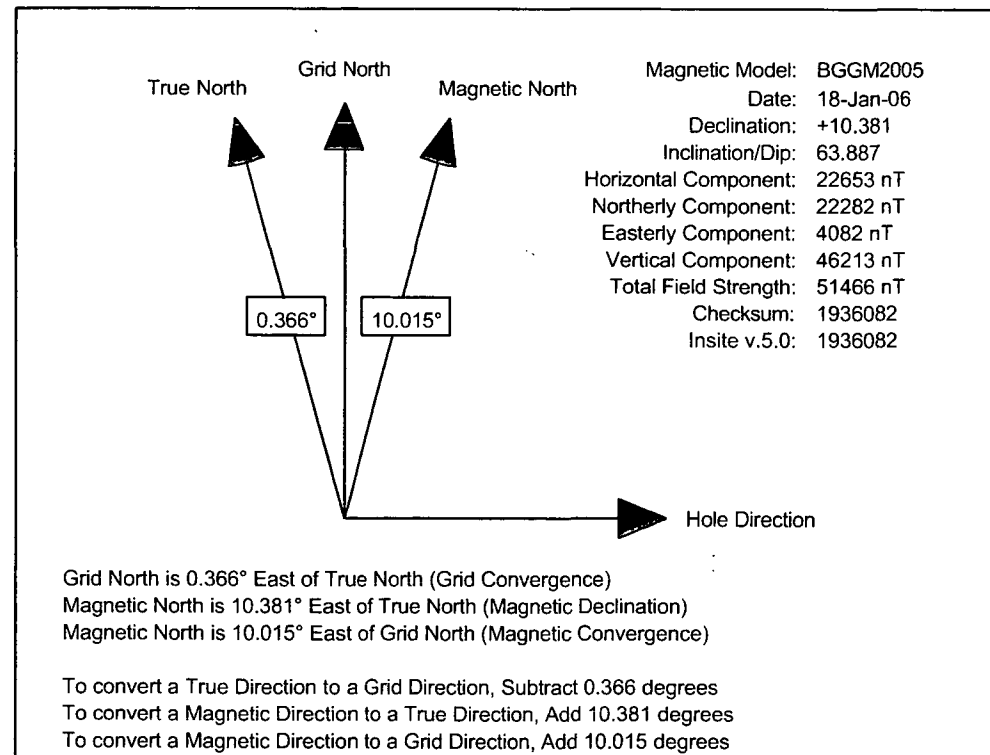
Coordinate System is NAD27 New Mexico State Planes, Western Zone, US Foot
Source: Snyder, J.P., 1987, Map Projections - A Working Manual

Datum is North American Datum of 1927 (US48, AK, HI, and Canada)

Spheroid is Clarke - 1866
Equatorial Radius: 6378206.400m.
Polar Radius: 6356583.800m.
Inverse Flattening: 294.978698213901

Projection method is Transverse Mercator or Gauss Kruger Projection
Central Meridian is -107.833°
Longitude Origin: 0.000°
Latitude Origin: 31.000°
False Easting: 152400.00m
False Northing: 0.00m
Scale Reduction: 0.99991667

Grid Coordinates of Well: 2152692.69 N, 678152.18 E
Geographical Coordinates of Well: 36° 54' 52.0112" N, 107° 13' 26.1848" W
Surface Elevation of Well: 7030.00ft
Grid Convergence at Surface is +0.366°
Magnetic Declination at Surface is +10.381° (18 January, 2006)



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

Proposal Report for Sec. 11-T31N-R04W - Rosa Unit #347 - Plan 011806
Data Source: Mr. Gary Sizemore
Revised: 19 January, 2006

Casing details

From		To		Casing Detail
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	
<Surface>	<Surface>	300.00	300.00	9 5/8" Casing
<Surface>	<Surface>	4079.28	3902.00	7" Casing
<Surface>	<Surface>	<Run-TD>	<Run-TD>	6.13" Open Hole

assessment is based on information for representative products.

ECOTOXICITY: Available ectotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product.

MOBILITY: When released into the environment, adsorption to sediment and soil will be the predominant behavior.

PERSISTENCE AND DEGRADABILITY: This product is expected to be inherently biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal.

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 picobiemens 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

Proposal Report for Sec. 11-T31N-R04W - Rosa Unit #347 - Plan 011806
Data Source: Mr. Gary Sizemore
Revised: 19 January, 2006

Comments

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
3436.53	3436.53	0.00 N	0.00 E	Kick-Off at 3436.53ft
4186.53	3913.99	351.77 S	322.85 W	End of Build at 4186.53ft
7506.88	3914.00	2798.00 S	2568.00 W	Total Depth at 7506.88ft

Formation Tops

Formation Plane (Below Well Origin)			Profile		Penetration Point			Formation Name
Sub-Sea (ft)	Dip Angle	Up-Dip Dirn.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	
-7018.00	0.000	0.366	12.00	12.00	-7018.00	0.00 N	0.00 E	San Jose Fm
-4880.00	0.000	0.366	2150.00	2150.00	-4880.00	0.00 N	0.00 E	Nacimiento Fm
-3705.00	0.000	0.366	3325.00	3325.00	-3705.00	0.00 N	0.00 E	Ojo Alamo Ss
-3585.00	0.000	0.366	3445.00	3445.00	-3585.00	0.06 S	0.05 W	Kirkland Sh
-3350.00	0.000	0.366	3692.02	3680.00	-3350.00	49.17 S	45.13 W	Fruitland Fm
-3155.00	0.000	0.366	3992.22	3875.00	-3155.00	212.53 S	195.06 W	Top Coal Int
-3125.00	0.000	0.366	4093.71	3905.00	-3125.00	283.81 S	260.48 W	Top Tgt Coal
-3110.00	0.000	0.366						Base Tgt Coal

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
PHOSPHORODITHIOIC ACID, O,O-DI	68649-42-3	22
C1-14-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=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: ENGINE LUBRICANT

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:

Measure Depth (ft)	Incl. Angle (Deg)	Drift Direction (Deg)	True Vertical Depth	Vertical Section (ft)	Local Coordinates		Dogleg Severit (°/100ft)	Lease Calls		Global Coordinates	
					N-S (ft)	E-W (ft)		FNL-FSL (ft)	FEL-FWL (ft)	Grid Y (ft)	Grid X (ft)
6100.00	90.000	222.551	3914.00	2390.94	1761.49 S	1616.70 W	0.00	4231.49 FNL	963.30 FWL	2150921.05 N	676546.61 E
6200.00	90.000	222.551	3914.00	2490.94	1835.17 S	1684.31 W	0.00	4305.17 FNL	895.69 FWL	2150846.96 N	676479.46 E
6300.00	90.000	222.551	3914.00	2590.94	1908.84 S	1751.93 W	0.00	4378.84 FNL	828.07 FWL	2150772.86 N	676412.30 E
6400.00	90.000	222.551	3914.00	2690.94	1982.52 S	1819.55 W	0.00	4452.52 FNL	760.45 FWL	2150698.76 N	676345.15 E
6500.00	90.000	222.551	3914.00	2790.94	2056.19 S	1887.17 W	0.00	4526.19 FNL	692.83 FWL	2150624.66 N	676278.00 E
6600.00	90.000	222.551	3914.00	2890.94	2129.86 S	1954.79 W	0.00	4599.86 FNL	625.21 FWL	2150550.56 N	676210.85 E
6700.00	90.000	222.551	3914.00	2990.94	2203.54 S	2022.40 W	0.00	4673.54 FNL	557.60 FWL	2150476.47 N	676143.69 E
6800.00	90.000	222.551	3914.00	3090.94	2277.21 S	2090.02 W	0.00	4747.21 FNL	489.98 FWL	2150402.37 N	676076.54 E
6900.00	90.000	222.551	3914.00	3190.94	2350.89 S	2157.64 W	0.00	4820.89 FNL	422.36 FWL	2150328.27 N	676009.39 E
7000.00	90.000	222.551	3914.00	3290.94	2424.56 S	2225.26 W	0.00	4894.56 FNL	354.74 FWL	2150254.17 N	675942.24 E
7100.00	90.000	222.551	3914.00	3390.94	2498.23 S	2292.87 W	0.00	4968.23 FNL	287.13 FWL	2150180.07 N	675875.08 E
7200.00	90.000	222.551	3914.00	3490.94	2571.91 S	2360.49 W	0.00	5041.91 FNL	219.51 FWL	2150105.98 N	675807.93 E
7300.00	90.000	222.551	3914.00	3590.94	2645.58 S	2428.11 W	0.00	5115.58 FNL	151.89 FWL	2150031.88 N	675740.78 E
7400.00	90.000	222.551	3914.00	3690.94	2719.25 S	2495.73 W	0.00	5189.25 FNL	84.27 FWL	2149957.78 N	675673.63 E
7500.00	90.000	222.551	3914.00	3790.94	2792.93 S	2563.35 W	0.00	5262.93 FNL	16.65 FWL	2149883.68 N	675606.47 E

Total Depth at 7506.88ft, 6.13" Open Hole

7506.88	90.000	222.551	3914.00	3797.82	2798.00 S	2568.00 W	0.00	5268.00 FNL	12.00 FWL	2149878.58 N	675601.85 E
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All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB(7018' +12' KB). Northings and Eastings are relative to Wellhead.

Based upon Minimum Curvature type calculations, at a Measured Depth of 7506.88ft.,
The Bottom Hole Displacement is 3797.82ft., in the Direction of 222.551° (True).

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: 602466-00,
ELIS: 400795, CMCS97: 97D936, REQ: US - MARKETING, SAFE USE: L
EHS Approval Date: 24SEP2002

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 license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Exxon Mobil Corporation and its affiliated companies assume no responsibility for accuracy of information unless the document is the most current available from an official ExxonMobil distribution system. Exxon Mobil Corporation and its affiliated companies neither represent nor warrant 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.

Prepared by: ExxonMobil Oil Corporation
Environmental Health and Safety Department, Clinton, USA

Measure Depth (ft)	Incl. Angle (Deg)	Drift Direction (Deg)	True Vertical Depth	Vertical Section (ft)	Local Coordinates		Dogleg Severit (°/100ft)	Lease Calls		Global Coordinates	
					N-S (ft)	E-W (ft)		FNL-FSL (ft)	FEL-FWL (ft)	Grid Y (ft)	Grid X (ft)
Top Coal Int											
3992.22	66.683	222.551	3875.00	288.48	212.53 S	195.06 W	12.00	2682.53 FNL	2384.94 FWL	2152478.94 N	677958.46 E
4000.00	67.616	222.551	3878.02	295.64	217.81 S	199.91 W	12.00	2687.81 FNL	2380.09 FWL	2152473.63 N	677953.65 E
7" Casing											
4079.28	77.130	222.551	3902.00	371.12	273.42 S	250.94 W	12.00	2743.42 FNL	2329.06 FWL	2152417.70 N	677902.97 E
Top Tgt Coal											
4093.71	78.861	222.551	3905.00	385.23	283.81 S	260.48 W	12.00	2753.81 FNL	2319.52 FWL	2152407.25 N	677893.49 E
4100.00	79.616	222.551	3906.17	391.41	288.37 S	264.66 W	12.00	2758.37 FNL	2315.34 FWL	2152402.67 N	677889.34 E
End of Build at 4186.53ft											
4186.53	90.000	222.551	3913.99	477.46	351.77 S	322.85 W	12.00	2821.77 FNL	2257.15 FWL	2152338.90 N	677831.55 E
4200.00	90.000	222.551	3913.99	490.94	361.69 S	331.96 W	0.00	2831.69 FNL	2248.04 FWL	2152328.92 N	677822.51 E
4300.00	90.000	222.551	3913.99	590.94	435.36 S	399.58 W	0.00	2905.36 FNL	2180.42 FWL	2152254.82 N	677755.35 E
4400.00	90.000	222.551	3913.99	690.94	509.04 S	467.20 W	0.00	2979.04 FNL	2112.80 FWL	2152180.72 N	677688.20 E
4500.00	90.000	222.551	3913.99	790.94	582.71 S	534.81 W	0.00	3052.71 FNL	2045.19 FWL	2152106.63 N	677621.05 E
4600.00	90.000	222.551	3913.99	890.94	656.39 S	602.43 W	0.00	3126.39 FNL	1977.57 FWL	2152032.53 N	677553.90 E
4700.00	90.000	222.551	3914.00	990.94	730.06 S	670.05 W	0.00	3200.06 FNL	1909.95 FWL	2151958.43 N	677486.74 E
4800.00	90.000	222.551	3914.00	1090.94	803.73 S	737.67 W	0.00	3273.73 FNL	1842.33 FWL	2151884.33 N	677419.59 E
4900.00	90.000	222.551	3914.00	1190.94	877.41 S	805.28 W	0.00	3347.41 FNL	1774.72 FWL	2151810.23 N	677352.44 E
5000.00	90.000	222.551	3914.00	1290.94	951.08 S	872.90 W	0.00	3421.08 FNL	1707.10 FWL	2151736.13 N	677285.29 E
5100.00	90.000	222.551	3914.00	1390.94	1024.76 S	940.52 W	0.00	3494.76 FNL	1639.48 FWL	2151662.04 N	677218.13 E
5200.00	90.000	222.551	3914.00	1490.94	1098.43 S	1008.14 W	0.00	3568.43 FNL	1571.86 FWL	2151587.94 N	677150.98 E
5300.00	90.000	222.551	3914.00	1590.94	1172.10 S	1075.75 W	0.00	3642.10 FNL	1504.25 FWL	2151513.84 N	677083.83 E
5400.00	90.000	222.551	3914.00	1690.94	1245.78 S	1143.37 W	0.00	3715.78 FNL	1436.63 FWL	2151439.74 N	677016.68 E
5500.00	90.000	222.551	3914.00	1790.94	1319.45 S	1210.99 W	0.00	3789.45 FNL	1369.01 FWL	2151365.64 N	676949.52 E
5600.00	90.000	222.551	3914.00	1890.94	1393.13 S	1278.61 W	0.00	3863.13 FNL	1301.39 FWL	2151291.55 N	676882.37 E
5700.00	90.000	222.551	3914.00	1990.94	1466.80 S	1346.23 W	0.00	3936.80 FNL	1233.77 FWL	2151217.45 N	676815.22 E
5800.00	90.000	222.551	3914.00	2090.94	1540.47 S	1413.84 W	0.00	4010.47 FNL	1166.16 FWL	2151143.35 N	676748.07 E
5900.00	90.000	222.551	3914.00	2190.94	1614.15 S	1481.46 W	0.00	4084.15 FNL	1098.54 FWL	2151069.25 N	676680.91 E
6000.00	90.000	222.551	3914.00	2290.94	1687.82 S	1549.08 W	0.00	4157.82 FNL	1030.92 FWL	2150995.15 N	676613.76 E

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> <i>Brandon Powell 5/10/06 8:33 a.m.</i>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Houck Com #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULS'IR) Unit 1, S 1, T 29N, R 10W San Juan County	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 10 cy soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 5/03/06 revealed the following levels:
Arsenic 0.770 mg/Kg; Barium 5.75 mg/Kg; Cadmium 0.069mg/Kg; Chromium 0.210 mg/Kg; Lead 0.694 mg/Kg; Mercury nondetect; Selenium nondetect; and Silver nondetect.

CWS and analyticals are attached.

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

SIGNATURE *Morris D. Young* TITLE: Landfarm Manager DATE: 05/10/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <i>Brandon Powell</i>	TITLE: <i>Enviro/Spec</i>	DATE: <i>5/10/06</i>
APPROVED BY: <i>M. Martin</i>	TITLE: <i>Env. Eng.</i>	DATE: <i>9-6-06</i>

Conditions of Approval

Operator: Burlington Resources O &G Co. **Well Name:** SJ 27-5 #102P
Legal Location: 1085' FSL, 1800' FWL **EA Log Number:** NM-210-05-1149
Section 12, T. 27 N., R. 5 W.
Inspection Date: 9/12/05 **Lease Number:** NMSF 079491

The following conditions of approval will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to Bureau of Land Management and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

Special Stipulations

This permit is contingent on compliance with the New Mexico Environmental Department, Air Quality Bureau's directive that compressor engines 300 horsepower or less have NOx emissions limited to 2 grams per horsepower hour.

No construction, drilling or completion activities shall be conducted between: December 1 and March 31 because of deer/elk wintering habitat.

All open top permanent production or storage tanks regardless of diameter made of fiberglass, steel, or other material used for the containment of oil, condensate, produced water and or other production waste shall be screened, netted or otherwise covered to protect migratory birds and other wildlife from access.

Cultural stipulations are required. See attached Cultural Report.

SJ 28-5 #39 (existing location) and SJ 27-5 #102P (new location) will have cut and fill slopes, including diversion ditches and silt traps, recontoured and reseeded as specified by BLM Surface Protection Specialists during reclamation.

Production equipment [including any facilities associated with pipeline construction] shall be placed on location as not to interfere with reclaiming the cut and fill slopes to their proper ratio. If equipment is found to interfere with the proper reclamation of the slope, the company will be required to move the equipment so proper re-contouring can occur.

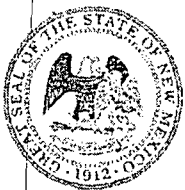
Upon final reclamation of the reserve and blow pits, a diversion ditch will be constructed below the cut on the east side of the location draining north and below the cut on the west side draining to the north and away from the pad.

Culvert(s) of sufficient size (minimum 18 inches) will be placed as needed along the access road.

Seed all the disturbed areas outside the anchor's using designated seed mixture and to the specifications given. Disturbed areas shall be re-contoured and re-seeded within 120 days of final construction.

Type	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	2.0
Indian ricegrass	Paloma	1.0
Blue grama	Hatcheta or Alma	0.25
Antelope bitterbrush	Unknown	0.10
Four-wing saltbrush	Unknown	0.25
Small burnet	Delar	1.0

Hi-crest crested wheatgrass can be substituted for Oahe and Luna and planted at 3.0 lbs. PLS/A.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Houck Com #1 API # 30-045-25797 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit 1, Section 1, T29N, R10W 1580' FSL & 890' FEL San Juan County, New Mexico
4. Source and Description of Waste Approximately 10 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 5-3-06 revealed the following levels: Arsenic 0.770 mg/Kg; Barium 5.75 mg/Kg; Cadmium 0.069 mg/Kg; Chromium 0.210 mg/Kg; Lead 0.694 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 ☐ 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): Monica D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: May 9, 2006

VI. CHANGE OF PLANS OR ABANDONMENT

- A. Any changes of plans required in order to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.F.
- B. If the well is dry it is to be plugged in accord with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.F. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section 11.B.1c.
- C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. SPECIAL STIPLATIONS

The following special requirements apply and are effective when checked:

- A. ☐ Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the Bureau of Land Management, Farmington Field Office, Branch of Reservoir Management, 1235 La Plata Highway, Suite A, Farmington, New Mexico 87401. The effective date of the agreement must be Prior to any sales.
- B. ☐ The BLM-Authorized Officer requires testing all components of well control systems at the pressure requirements set forth in Onshore Oil and Gas Order No. 2, Section III. A. 1., plus a 30% safety factor, and does not elect to utilize the discretionary authority for requiring the testing of selected components at the A. P. L. working pressures.
- C. ☒ Note Attachments
- D. ☒ The required wait on cement (WOC) time will be a minimum of 250 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated.

VIII. PHONE NUMBERS

- A. For BOPE tests, cementing, and plugging operations the phone number is 505-599-8907 and should be called 24 hours in advance in order that a BLM representative may witness the operations.
- B. Emergency program changes after hours contact:

Adrienne Brumley (505) 326-1248

Or

Jim Lovato at (505) 334-1266

15869

doi:10.1002/ajb.10057

- c. Subsequent Report of Abandonment, showing the manner in which the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
2. Well Completion Report (Form 3160-4) will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.
3. Submit a cement evaluation log, if cement is not circulated to surface.

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results. 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days or 50 MMCF following its (completion)(recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted, and you shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period specifically is approved by the authorized officer. The 30-day period begins when the casing is first perforated for cased holes, and when Total Depth (TD) is reached for open hole completion.

V. SAFETY

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats must be utilized.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Oil & Gravel Dirt	Date Reported:	05-03-06
Laboratory Number:	37006	Date Sampled:	05-02-06
Chain of Custody:	15869	Date Received:	05-03-06
Sample Matrix:	Soil	Date Analyzed:	05-03-06
Preservative:	N/A	Date Digested:	05-03-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.770	0.001	5.0
Barium	5.75	0.001	100
Cadmium	0.069	0.001	1.0
Chromium	0.210	0.001	5.0
Lead	0.694	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

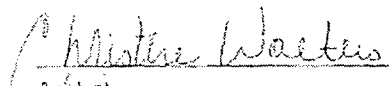
ND - Parameter not detected at the stated detection limit.


References: Method 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: 29-10 Houck Com 1.


Analyst


Review

- F. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-899-8900. Emergency program changes after hours should be directed to Adrienne Garcia at 505-326-1248 or Jim Lovato at 505-334-1266.**
- G. The Field Office Manager (Inspection and Enforcement Section, phone number (505-599-8907) is to be notified at least 24 hours in advance of any spudding, cementing, or plugging operations so that a BLM representative may witness the operations.
- H. Unless drilling operations are commenced within one year, approval of the Application for Permit to Drill well expire. A written request for a six months extension may be granted if submitted prior to expiration.
- I. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all time, unless the well is secured with blowout preventers or cement plugs.
- J. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

II. REPORTING REQUIREMENTS

- A. For reporting purposes, all leases, communitization agreements or unit agreements are to be referenced by the numbers and prefixes affixed to the respective contract documents by the issuing agency at the time of issue.
- B. The following reports shall be filed with the BLM-Authorized Officer within 30 days after the work is completed.
 - 1. Original and three copies on Federal and Original and four copies on Indian leases of Sundry Notice (Form 3160-5), giving complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of any and all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include; size, number and location of perforations), acidized, or fractured; and results obtained. Show date work was done (a Sundry Notice is not required if a Completion Report is submitted within 30 days of the operation).

VIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	05-03 TM QA/QC	Date Reported:	05-03-06
Laboratory Number:	37003	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	05-03-06
Condition:	N/A	Date Digested:	05-02-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.096	0.097	0.6%	0% - 30%
Barium	ND	ND	0.001	24.09	24.07	0.1%	0% - 30%
Cadmium	ND	ND	0.001	0.009	0.009	2.2%	0% - 30%
Chromium	ND	ND	0.001	0.835	0.846	1.3%	0% - 30%
Lead	ND	ND	0.001	0.599	0.600	0.2%	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	0.008	0.008	0.0%	0% - 30%

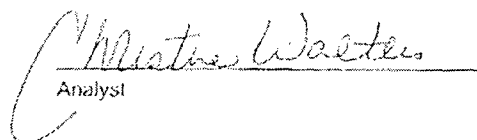
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.096	0.633	106.2%	80% - 120%
Barium	0.500	24.09	24.4	99.2%	80% - 120%
Cadmium	0.500	0.009	0.558	109.6%	80% - 120%
Chromium	0.500	0.835	1.307	97.9%	80% - 120%
Lead	0.500	0.599	1.06	96.5%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	0.008	0.502	98.8%	80% - 120%

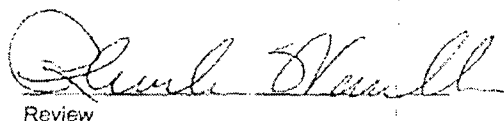
ND - Parameter not detected at the stated detection limit.

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 37003 - 37004 and 37006.


Analyst


Review



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

IN REPLY REFER TO:
3162.3-1(07100)

Burlington Resources Oil & Gas Company
#102P San Juan 27-5 Unit
NMSF-079491
BH:SW1/4SW1/4 Sec.12,T. 27N., R.5 W.
SH: SE1/4SW1/4 Sec. 12,T. 27N., R.5 W.
Rio Arriba County, New Mexico

Above Data Required on Well Sign

GENERAL REQUIREMENTS **FOR** **OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES**

In addition to those requirements set forth in the laws, regulations and Onshore Orders, these requirements apply generally to all oil and gas operations on Federal and Indian leases. They apply specifically to the above described well. Special requirements that apply and are effective for this well, if any, are check-marked in Section VII of these General Requirements. The failure of the operator to comply with these requirements and the filing of required reports will result in strict enforcement of 43 CFR 3163.1 or 3163.2.

I. GENERAL

- A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to Drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report (Form 3160-4) is filed. The report should be on 82 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

Date 5/3/06Analyst C. D. Oelke

RCRA Trace Metals Analysis

Concentration (mg/Kg)

5.00 grams/50 ml

No	Digestion Date	Sample	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
1	5/2/06	37003	.0964	24.09	.0092	.8350	.5988	4.001	4.001	.0081
dupe			.0976	24.07	.0090	.8462	.6000	4.001	4.001	.0080
2		37004	.0951	10.53	.0386	.5322	3.763	4.001	4.001	.0075
3		37006	.7698	5.748	.0691	.2096	.6942	4.001	4.001	4.001
4										
5										
6										
7										
8										
9										
10										
blank			4.001	4.001	4.001	4.001	4.001	4.001	4.001	4.001
Spike Added			.500	.500	.500	.500	.500	.500	.500	.500
Spike Result			.633	24.4	.5582	1.357	1.060	.498	.497	.502

Directions from the Intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM to

Burlington Resources Oil & Gas Company San Juan 27-5 Unit #102P

1085' FSL & 1800' FWL, Section 12, T27N, R5W, NMPM, Rio Arriba County, NM

From the intersection of US Hwy 64 & US Hwy 550 in Bloomfield, NM, travel Easterly on US Hwy 64 for 36.8 miles to General American road just beyond Gobernador School;

Go right (Southerly) on General American road for 1.1 miles to fork in road;

Go right (South-westerly) on General American road for 3.4 miles to "4-Corners" intersection;

Go straight (Southerly) on General American road for 1.1 miles to fork in road;

Go straight (Southerly) for 4.1 miles to fork in road;

Go left (Southerly) for 2.6 miles to fork in road;

Go left which is straight (North-easterly) for 2.1 miles to fork in road;

Go left (North-westerly) for 0.3 miles to fork in road;

Go left (North-westerly) for 0.4 miles to fork in road;

Go right (Northerly) for 0.8 miles to staked location which overlaps an existing wellpad.

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Verbal approval July 31, 2006 Brandon Powell	4. Generator: Williams Field Services 5. Originating Site: Trunk N CDP Station 6. Transporter: TBA 8. State: New Mexico Project # 00068-049
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	
7. Location of Material (Street Address or ULSTR) Units B&G; S 17; T 32N; R 7W; San Juan 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:

Accept soil contaminated with lube oil and antifreeze from compressor skid. RCRA 8 metals dated 7/19/06 revealed the following levels: Arsenic 0.064 mg/Kg; Barium 15.8 mg/Kg; Cadmium 0.830 mg/Kg; Chromium nondetect; Lead 0.265 mg/Kg; Mercury 0.01 mg/Kg; Selenium nondetect; Silver nondetect. RCI dated 7/19/06 shows a PH of 8.43 with ignitability, corrosivity and reactivity all negative.

CWS and analyticals attached

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

SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: July 31, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D. Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Brandon Powell TITLE: Enviro/Spec DATE: 8/9/06
APPROVED BY: [Signature] TITLE: Environ Eng DATE: 8/20/06

the Secretary of the Interior. Prior to the use of pesticides, holder shall obtain from the **AO** written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary. Emergency use of pesticides shall be approved in writing by the **AO** prior to use.

The holder shall be responsible for weed control and selective control of invasive weeds on disturbed and reclaimed areas within the limits of the well pad, associated road and pipeline ROW. The holder is responsible for consultation with the **AO** and/or local authorities for acceptable weed control methods within limits imposed in the conditions of approval.

The holder shall minimize disturbance to existing fences and other improvements on public land. Holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be H-braced on both sides of the passageway prior to cutting the fence.

Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be disposed of promptly at an appropriate waste disposal site. "Waste" means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes and equipment.

The holder shall maintain the ROW in a safe, useable condition, as directed by the **AO**. (A regular maintenance program shall include, but is not limited to, soil stabilization.)

Unless otherwise approved in writing by the **AO**, this road will be designed and constructed to conform with the Bureau of Land Management, New Mexico road construction/maintenance policy.

Public access along this road will not be restricted by the holder without specific written approval being granted by the **AO**. Gates or cattle-guards on the public land will not be locked or closed to public use unless specifically determined by the **AO**.

Unless otherwise approved in writing by the **AO**, drainage dip location for grades over two (2) percent shall be determined by the formula:

$$\text{Spacing Interval} = \frac{400 + 100'}{\text{road slope \%}}$$

Example: For a road with a four (4) percent slope.
Spacing Interval $\frac{400 + 100'}{4\%} = 200 \text{ feet}$

Unless otherwise approved in writing by the **AO**, all turnout ditches shall be graded to drain water with a one (1) percent minimum to three (3) percent maximum ditch slope. The spacing interval for turnout ditches shall be determined according to the following table, but may be amended depending upon existing soil types and centerline road grade:

SPACING INTERVAL FOR TURNOUT DITCHES	
Percent Slope	Spacing Interval
0 - 4%	150 - 350 feet
4 - 6%	125 - 250 feet
6 - 8%	100 - 200 feet
8 - 10%	75 - 150 feet

Maintain the road so that user traffic remains within right-of-way and erosion is mitigated. Roads and road segments where serious erosional damage is occurring will be handled on a case-by-case basis. "Flat blading" will be avoided. An exemption would be permitted where bedrock is exposed at the surface. Roads will be maintained so that over time a proper road prism and good drainage is achieved.

00068-049



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Williams Field Services Co. 188 County Road 4900 Bloomfield, NM 87413	2. Destination Name: Envirotech Soil Remediation Facility. Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Trunk N CDP Station	Location of Waste (Street address &/or ULSTR): Units B & G, Section 17, T32N, R7W, San Juan Co. NM
attach list of originating sites as appropriate	
4. Source and Description of Waste: Soil contaminated with lube oil and antifreeze from compressor skid	

I, David Bays, representative for:
Print Name

Williams Field Service 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)
 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): David Bays

Title: Sr. Environmental Specialist

Date: July 18, 2006

Oil Conservation Division * 1000 Rio Brazos Road * Aztec, NM87410
Phone: (505) 334-6178 * Fax (505) 334-6170 * <http://www.emnrd.state.nm.us>

Otherwise, the paint use shall be a non-glare, non-reflective, non-chalking color of Juniper Green.

Seed all the disturbed areas (except the driving surface and road shoulders [entire area if road is to be reclaimed] road only) using designated seed mixture and to the specifications given. Disturbed areas shall be re-seeded within 120 days of final construction.

Location, Access Road and Pipeline

Well area and lease premises will be maintained in a workmanlike manner with due regard to safety, conservation and appearance. All liquid waste, completion fluids and drilling products associated with oil and gas operations will be contained and then buried in place, or removed and deposited in an approved disposal site.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access road.

Mud and blow pits will be constructed so as not to leak, break or allow discharge of liquids or produced solids. At least half of the capacity of the reserve pit must be in cut. The top of the outside wall of reserve pit should be smoothed-off with a minimum of one blade width. The pit should have adequate capacity to maintain 2 feet of free board. Pits are not to be located in natural drainages. Pit walls are to be "walked down" by a crawler type tractor following construction and prior to usage. Any plastic material used to line pits must be removed to below-ground level before pits are covered. The final grade of reserve pit (after reclamation) shall allow for drainage away from pit area.

All unguarded pits (reserve/production/blow pits) containing liquids will be fenced with woven wire. Drilling pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced. All fencing must be a legal fence in accordance with New Mexico State Law. Liquids in pits will be allowed to evaporate, or be properly disposed of, before pits are filled and re-contoured. (This office will be notified 24 hours prior to fluid hauling). Under no circumstances will pits be cut and drained. Aeration of pit fluids must be confined within pit area. Upon completion of the well the reserve pit will be covered with screening or netting and remained covered until the pit is reclaimed. All production pits 16 feet in diameter or larger will be covered with screening or netting.

No gravel or other related minerals from new or existing pits on federal land will be used in construction of roads, well sites, etc., without prior approval from the Surface Managing Agency.

Berm's or firewall's will be constructed around all storage facilities sufficient in size to contain the storage capacity of tanks, or the combined capacity of tanks if a rupture could drain more than one tank. Berm walls will be compacted with appropriate equipment to assure proper construction.

All roads on public land must be maintained in good passable condition year round.

The holder shall conduct all activities associated with the construction, operation, and termination of the right-of-way within the authorized limits of the right-of-way.

A copy of these stipulations, including exhibits and the Plan(s) of Operation (if required), shall be at the project area and available to persons directing equipment operation.

Disposal of all liquid and solid waste produced during operation of this right-of-way shall be in an approved manner so it will not impact the air, soil, water, vegetation or animals.

The holder shall not violate applicable air and water quality standards or related facility siting standards established by or pursuant to applicable Federal and State law.

Use of pesticides and herbicides shall comply with applicable federal/state laws. Pesticides and herbicides shall be used only in accordance with their registered uses and within limitations imposed by

ENVIROTECH LABS

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Hanover Compression	Project #:	99043-014
Sample ID:	Composite	Date Reported:	07-19-06
Lab ID#:	37862	Date Sampled:	07-18-06
Sample Matrix:	Soil	Date Received:	07-18-06
Preservative:	Cool	Date Analyzed:	07-19-06
Condition:	Cool and intact	Chain of Custody:	1215

Parameter	Result
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IGNITABILITY:	Negative
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CORROSIVITY:	Negative	pH = 8.43
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REACTIVITY:	Negative
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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)
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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)
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Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Trunk N Compressor Spill


Analyst


Review

Surfacing may be applied at the Holder's discretion, but is not required at this time. However, if it becomes evident there is resource damage or it becomes evident the road is receiving excess damage, surfacing will be required.

The Holder shall furnish and apply water, chemicals, or use other means satisfactory to the Authorized Officer for dust.

Pipeline Stipulations

No surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to special stipulations in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

The holder shall mark the exterior boundaries of the right-of-way with stake and/or lath at 100 to 200 foot intervals. The intervals may be varied at the time of staking at the discretion of the **AO**. The tops of the stakes and/or laths will be painted and the laths flagged in a distinctive color as determined by the holder. The survey station numbers will be marked on the boundary stakes and/or laths at the entrance to and the exit from public land. The holder shall maintain all boundary stakes and/or laths in place until final cleanup and restoration is completed and approved by the **AO**. The stakes and/or laths will then be removed at the direction of the **AO**.

No construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts in excess of 6 inches deep, the soil shall be deemed too wet.

When construction activity in connection with the right-of-way breaks or destroys a natural barrier used for livestock control, gaps thus opened shall be fenced to prevent drift of livestock. The subject natural barrier shall be identified and fenced by the holder as per instructions of the **AO**.

Maintain a minimum of ten (10) feet of undisturbed surface between fence lines and roads that are constructed parallel to fences.

Each fence crossed by this right-of-way shall be braced and secured to prevent slacking of the wire, before cutting the wire. The opening thus created shall be temporarily closed as necessary during construction to prevent passage of livestock. Upon completion of construction, reconstruct the fence to Bureau of Land Management specifications.

Right-of-way clearing shall be limited to the access road plus 20 feet.

Side-hill cuts of more than three (3) feet are not permitted. Areas requiring cuts greater than this shall be terraced so none are greater than three (3) feet.

Bury the pipeline in the existing well pad or twenty (20) feet from the edge of the traveled surface of the existing road.

The Holder shall re-contour disturbed areas, and obliterate all earthwork by removing embankments, backfilling excavations, and grading to re-establish the approximate original contours of the land in the right-of-way.

Construct earthen berm's that are a minimum of four (4) feet high with a ditch that has a one (1) foot vertical face away from the right-of-way, I.e., towards the direction of potential traffic, cut at the base of the berm. Construct this type berm at each end of the right-of-way where it is separate from the road.

All above ground structures not subject to safety requirements shall be painted by the Holder to blend with the natural color of the landscape. A reflective material may be used to reduce hazards that may occur when such structures are near roads.

ENVIROTECH LABS

TRACE METAL ANALYSIS

Client:	Hanover Compression	Project #:	99043-014
Sample ID:	Composite	Date Reported:	07-19-06
Laboratory Number:	37862	Date Sampled:	07-18-06
Chain of Custody:	1215	Date Received:	07-18-06
Sample Matrix:	Soil	Date Analyzed:	07-19-06
Preservative:	N/A	Date Digested:	07-18-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.064	0.001	5.0
Barium	15.8	0.001	100
Cadmium	0.830	0.001	1.0
Chromium	ND	0.001	5.0
Lead	0.265	0.001	5.0
Mercury	0.01	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 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: **Trunk N Compressor Spill**


Analyst


Review

Compressor units on this well location not equipped with a drip pan for containment of fluids shall be lined with an impervious material at least 8 mils thick and a 12 inch berm. The compressor will be painted to match the well facilities. Any variance to this will be approved by the Authorized Officer (AO). When compressor units are washed, or any other equipment associated with the locations, the fluids (i.e., scrubber cleaners) will be properly disposed of to avoid ground contamination or hazard to livestock or wildlife.

All above ground structures shall be painted to blend with the natural color of the landscape. The paint used shall be: Juniper Green.

Road Stipulations

Performing construction maintenance activities outside the original cultural survey will require approval and a new cultural survey and clearance.

The holder shall place slope stakes, culvert location and grade stakes, and other construction control stakes as deemed necessary by the authorized officer to ensure construction in accordance with the plan of development. If stakes are disturbed, they shall be replaced before proceeding with construction.

No construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts in excess of 6 inches deep, the soil shall be deemed too wet.

When construction activity in connection with the right-of-way breaks or destroys a natural barrier used for livestock control, gaps thus opened shall be fenced to prevent drift of livestock. The subject natural barrier shall be identified and fenced by the holder as per instructions of the **Authorized Officer (AO)**.

Maintain a minimum of ten (10) feet of undisturbed surface between fence lines and roads that are constructed parallel to fences.

Each fence crossed by this right-of-way shall be braced and secured to prevent slacking of the wire, before cutting the wire. The opening thus created shall be temporarily closed as necessary during construction to prevent passage of livestock. Upon completion of construction, install a cattle guard with an adjacent sixteen (16) foot gate. The cattle guard shall be constructed to Bureau of Land Management specifications.

A professional engineer shall design those segments of road where the grade is in excess of ten percent for more than 300 feet.

Right-of-way clearing shall be limited to 15 feet on each side of centerline.

This road shall have a maximum driving surface of 16 feet, and a maximum bladed width of 30 feet excluding turnout ditches and turnouts, and a maximum grade of 10 percent (pitches over 10 percent that are less than 300 feet in length may be allowed).

Crowning and ditching on both sides of the road is required. The road cross section will conform to the cross section diagrams available from Bureau of Land Management. The crown shall have a grade of approximately two percent (i.e., two inch crown on a 16 foot wide road).

Drainage control shall be ensured over the entire road through the use of borrow ditches, drainage dips, out-sloping, in-sloping, natural rolling topography, and/or turnout (lead-off) ditches.

Every drainage dip shall drain water into an adjacent turnout ditch.

The holder shall construct low-water crossings in a manner that will prevent any blockage or restriction of the existing channel. Material removed shall be stockpiled for use in rehabilitation of the crossing.

VIROTECH LABS

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	07-19 TM QA/QC	Date Reported:	07-19-06
Laboratory Number:	37861	Date Sampled:	N/A
Sample Matrix:	Sludge	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	07-19-06
Condition:	N/A	Date Digested:	07-18-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.017	0.017	0.0%	0% - 30%
Barium	ND	ND	0.001	8.32	8.35	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.340	0.337	0.9%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	0.029	0.029	0.0%	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%

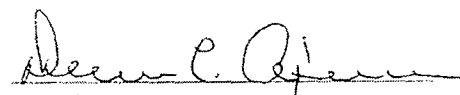
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.017	0.516	99.8%	80% - 120%
Barium	0.500	8.32	8.80	99.8%	80% - 120%
Cadmium	0.500	0.340	0.838	99.8%	80% - 120%
Chromium	0.500	ND	0.498	99.6%	80% - 120%
Lead	0.500	0.029	0.527	99.6%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.497	99.4%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

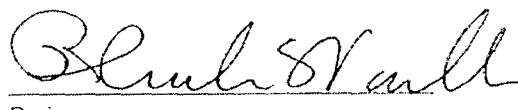
ND - Parameter not detected at the stated detection limit.

References: Method 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 37861 - 37862


Analyst


Review

The operator or his contractor will contact the Bureau of Land Management, Farmington Field Office, Environmental Protection Staff, (505) 599-8900, 48 hours prior to any reclamation efforts associated with this project.

The final cut slope shall not be steeper than a 2:1 Ratio or as close to the original contour as possible on the North side. The final fill slope shall not be steeper than a 2:1 Ratio as close to the original contour as possible. To obtain this ratio, pits and slopes shall be back-sloped into the pad upon completion of drilling. Construction slopes can be much steeper during drilling, but will be re-contoured to the above ratio during reclamation.

Pits will be lined with an impervious material at least 12 mils thick. Prior to closing the pit, the liner will be cut off at mud level. The excess liner will be hauled to a licensed disposal area.

Reserve pits will be closed and rehabilitated 90 days after completion or 120 days from the well spud date. All reserve pits remaining open after the 90 days will need written authorization of the Authorized Officer from the Farmington Field Office. This requirement is addressed in the General Requirements in Onshore Order #7.

The top 6 inches of soil material will be stripped and stockpiled in the construction zones of the well pad. The stockpiled soil material will be spread on the reclaimed portions of the pad [including the reserve pit, cut and fill slopes] prior to re-seeding. Spreading shall not be done when the ground or topsoil is frozen or wet.

Excavated material from the cuts will be used on the fill portions of the site. Any excess material from the well pad would be used to surface the access road.

Cut materials from the reserve and burn pits would be stockpiled on the location or used to construct the back walls of the burn pit.

If, in operations the operator/holder discovers any T&E / Sensitive species, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM T&E specialist @ (505) 599-8900. BLM will then specify what action is to be taken. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Endangered Species Act (as amended).

Inventory the proposed route or site for the presence of noxious weeds. Noxious weeds are those listed on the New Mexico Noxious Weed List. The following noxious weeds have been identified as occurring on lands within the boundaries of the Farmington Field Office (FFO):

Knapweed (*Centaurea repens*) Musk Thistle (*Carduus nutans*) Bull Thistle (*Cirsium vulgare*) Canada Thistle (*Cirsium arvense*) Scotch Thistle (*Onopordum acanthium*) Hoary Cress (*Cardaria draba*) Perennial Pepperweed (*Lepidium latifolium*) Halogeton (*Halogeton glomeratus*) Russian Spotted Knapweed (*Centaurea maculosa*) Dalmatian Toadflax (*Linaria genistifolia*) Yellow Toadflax (*Linaria vulgaris*) Camelthorn (*Alhagi pseudalhagi*) African Rue (*Peganum harmala*) Saltcedar (*Tamarix spp.*) Diffuse Knapweed (*Centaurea diffusa*) Leafy Spurge (*Euphorbia esula*).

Construction equipment should be inspected and cleaned prior to coming onto the work site. This is especially important on vehicles from out of state or if coming from a weed infested area.

If fill dirt or gravel will be required, the source shall be noxious weed free.

The site shall be monitored for the life of the project for the presence of noxious weeds (includes maintenance and construction activities). If weeds are found, the FFO Weed Coordinator will be notified at (505) 599-8900 and the coordinator will determine the best method for the control of the particular weed species. Treat existing weeds prior to new surface disturbance.

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"/> 2005 FEB 31 PM 2 28 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Verbal was received from Edwin Martin of the NMOCD in the Santa Fe Office on 1/19/05	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Wash Bay
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) 4109 E. Main Street, Farmington	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 10/7/04 attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: January 19, 2005
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Edwin Martin</u>	TITLE: <u>Env. Eng.</u>	DATE: <u>2-6-06</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

CULTURAL RESOURCES RECORD OF REVIEW page 2
San Juan 27-5 Unit #102P well and pipeline 2006(II)191F

5. Recommendation: *PROCEED WITH ACTION* ☒ *STIPULATIONS ATTACHED* ☒

6. Reviewer /Archaeologist: Peggy Gaudy Date: 3/16/06

Report Summary	BLM	Other	Total
Acres Inventoried	7.23	0	0
Sites Recorded	0	0	0
Prev. Recorded Sites	0	0	0
Sites Avoided	0	0	0
Sites Treated	0	0	0



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Service 4109 E. Main Street Farmington, New Mexico 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton, 4109 E. Main, Farmington attach list of originating sites as appropriate	
4. Source and Description of Waste Washbay grit from 2 bays that have been dried in a drying bed.	

I, Merle D. Krause III representative for:
Print Name

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

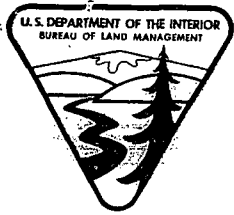
This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _____

Title: Material Control Supervisor

Phone Number: (505) 324-3551

Date: January 19, 2005



BLM Report Number: 2006(II)191F
USGS Map: Vigas Canyon
Activity Code: 1310

CULTURAL RESOURCE RECORD OF REVIEW
BUREAU OF LAND MANAGEMENT
FARMINGTON FIELD OFFICE

1. Description of Report/Project:

Project Name: San Juan 27-5 Unit #102P well and pipeline

Project Sponsor: Burlington Resources

Arch. Firm & Report No.: Aztec Archaeological Consultants 2005-051

Location: T27N R5W Section 12 Well Footages: 1085 FSL 1800 FWL
Bottom Hole Location: 250 FSL 250 FWL

Project Dimensions: Well: Staked well pad - 225' x 300', with 50' construction zone - 325' x 400'.
See Attached Stipulations.

Access: existing

Pipeline: 50' x 80' [on well pad]. See Attached Stipulations.

Sites Located: No ☒ Yes ☐

no cultural resources located

Determination: No Cultural Resources ☒ No Historic Properties ☒ No Effect ☐
No Adverse Effect ☐ Adverse Effect ☐

2. Field Check: No ☐ Yes ☒ Date: 3/15/06
Comment/Results: see Compliance Check Form

3. ACEC: No ☒ Yes ☐

4. Traditional Cultural Property: No ☐ Yes ☒: Tucker Mesa may be the area reported as Dizdze Nteeli or Dzide Hoteel [Broad Choakcherry Patch] which is the place of a prototype ceremony in the origin story of Nightway. It may also be one of the places reported in one version of the Mountaintopway ceremony where the Anasazi attacked the Navajo. The proposed well pad completely overlaps an existing well pad which contains two wells. No new surface disturbance off of the existing pad will be required.

-continued-

ENVIROTECH INC.**Bill of Lading**MANIFEST # **22032**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE **1-20-05**

JOB #

92132-001

~~00000000~~

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Halibut Pt	Eno/F2	Cont Out	K20	18		ETEC	558		<i>[Signature]</i>
2	<i>[scribble]</i>	<i>[scribble]</i>	<i>[scribble]</i>	I20	18		<i>[scribble]</i>	<i>[scribble]</i>		<i>[Signature]</i>
3	<i>[scribble]</i>	<i>[scribble]</i>	<i>[scribble]</i>	I20	18		<i>[scribble]</i>	<i>[scribble]</i>		<i>[Signature]</i>
4	<i>[scribble]</i>	<i>[scribble]</i>	<i>[scribble]</i>	K20	18		<i>[scribble]</i>	555		<i>[Signature]</i>
5	<i>[scribble]</i>	<i>[scribble]</i>	<i>[scribble]</i>	I20	18		<i>[scribble]</i>	555		<i>[Signature]</i>
<i>[Handwritten note: 2 lds. ec. 10yds. full ml]</i>										
<i>[Handwritten note: No Per. Payment No Charge for clean soil]</i>										
<i>[Handwritten note: 40]</i>										
<i>[Handwritten note: 4538]</i>										
<i>[Handwritten note: 21 ... 01 ...]</i>										

ENTERED JAN 21 2005

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME

Neil Winterton

COMPANY

ETEC

SIGNATURE

[Signature]

DATE

1-20-05

Hi-crest crested wheatgrass can be substituted for Oahe and Luna and planted at 3.0 lbs. PLS/A.

Species shall be planted in pounds of pure live seed per acre:

Present Pure Live Seed (PLS) = Purity X Germination/100

Two lots of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)

Purity 50 percent

Germination 40 percent

Percent PLS 20 percent

5 lb. bulk seed required to make

1 lb. PLS

Source No. two (better quality)

Purity 80 percent

Germination 63 percent

Percent PLS 50 percent

2 lb. bulk seed required to make

1 lb. PLS

Seed mixture used must be certified. There shall be **NO** primary or secondary noxious weeds in seed mixture. Seed labels from each bag shall be available for inspection while seed is being sown.

Seeding shall be accomplished within 120 days of completion of the construction project (timeframe may be extended on a case-by-case basis with AO approval). Seeding shall be repeated if a satisfactory stand is not obtained as determined by the **AO** upon evaluation after the second growing season.

Compacted areas shall be ripped to a depth of twelve (12) inches and disked to a depth of six (6) inches before seeding. Seeding shall be done using a disk-type drill with two boxes for various seed sizes. The drill rows shall be eight to ten inches apart. Seed shall be planted at not less than one-half inch deep or more than one inch deep. The seeder shall be followed with a drag, packer, or roller to ensure uniform coverage of the seed, and adequate compaction. Drilling shall be done on the contour where possible, not up and down the slope:

Where slopes are too steep for contour drilling a "cyclone" hand seeder or similar broadcast seeder shall be used. Seed shall then be covered to the depth described above by whatever means is practical, i.e, hand raked. If the seed is not covered, the prescribed seed mixture amount (pounds/acre/PLS) will be doubled.

If, upon abandonment of wells, the retention of access road is not considered necessary for the management and multiple-use of the natural resources, it will be ripped a minimum of 12" in depth. After ripping, water bars will be installed. All ripped surfaces are to be protected from vehicular travel by construction of a dead end ditch and earthen barricade at the entrance to these ripped areas. (Re-seeding of affected areas may be required.)

Abandonment

Ninety days prior to termination of the ROW, the holder shall contact the **AO** to arrange a joint inspection of the ROW. This inspection will be held to agree to an acceptable termination (and rehabilitation) plan. This plan shall include, but is not limited to, removal of facilities, drainage structures, or surfacing material, re-contouring, top soiling or seeding. The **AO** must approve the plan in writing prior to the holder's commencement of any termination actions.

Bill of Lading

MANIFEST # 22185

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 1-21-05 JOB # 92132-001

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME MIKE HOYI

COMPANY Amprotech

SIGNATURE

Frank Hunt

DATE 1-21-65

Maintenance will include drainage dips, turnout ditches, crowning and/or out-sloping/in-sloping, low water crossings and vehicle turnouts. Cattle guards and culverts will be cleaned and repaired or replaced. Surfacing may be required.

Failure of the holder to share maintenance costs in dollars, equipment, materials or man-power proportionate to the holder's use with other authorized users may be adequate grounds to terminate right-of-way grant. The determination as to whether this has occurred and the decision to terminate shall rest with the **AO**. Upon request, the **AO** shall be provided with copies of any maintenance agreement entered into.

Cultural Resources

Discovery of Cultural Resources in the Absence of Monitoring:

If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to Bureau of Land Management Field Manager. The Bureau of Land Management will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the Bureau of Land Management will evaluate the significance of discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. Minor recordation, stabilization, or data recovery may be performed by a Bureau of Land Management or permitted cultural resources consultant. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed. Failure to notify the Bureau of Land Management about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

Discovery of Cultural Resources during Monitoring:

If monitoring confirms the presence of previously unidentified cultural resources, then work in the vicinity of the discovery will be suspended and the monitor will promptly report the discovery to the Bureau of Land Management Field Manager. The Bureau of Land Management will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the Bureau of Land Management will evaluate the significance of the discovery and consult with the State Historic Preservation Officer in accordance with 36 CFR Section 800.11. A Bureau of Land Management or permitted cultural resources consultant may perform minor recordation, stabilization, or data recovery. If warranted, more extensive treatment by a permitted cultural resources consultant may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any required treatment is completed.

Damage to Sites:

If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare and have executed a Bureau of Land Management approved data recovery plan. Damage to cultural resources may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act of 1979 (as amended).

Seeding

Seed all the disturbed areas outside the anchors using designated seed mixture and to the specifications given. Disturbed areas shall be re-contoured and re-seeded within 120 days of final construction.

Type	Variety or Cultivator	PLS/A
Western wheatgrass	Arriba	2.0
Indian ricegrass	Paloma	1.0
Blue grama	Hatcheta or Alma	0.25
Antelope bitterbrush	Unknown	0.10
Four-wing saltbrush	Unknown	0.25
Small burnet	Delar	1.0

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Halliburton Energy Services 5. Originating Site: Wash Bay
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Envirotech
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) 4109 E. Main Street, Farmington	Project #92132-001
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 grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 10/7/04 attached.

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

SIGNATURE Morris Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: November 5, 2005

TYPE OR PRINT NAME: Morris Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature]

TITLE: Env. Eng.

DATE: 9-6-06

APPROVED BY: _____

TITLE: _____

DATE: _____

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 28-6 UNIT No. 148N

1850 FNL 1630 FEL

NE/4 SEC. 28, T-28-N, R-6-W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

APD MAP

NO NEW BLM CONSTRUCTION

SAN JUAN 28-6 UNIT No. 148N

LAT: 36.63444 N (NAD 83)

LONG: 107.46903 W (NAD 83)

LAT: 36-38.0661 N (NAD 27)

LONG: 107-28.1056 W (NAD 27)

EXISTING ACCESS

**THIS MAP IS FOR ESTIMATING PURPOSES ONLY.
CONSTRUCTION FOOTAGES ARE APPROXIMATE.**

107.48333° W

107.46667° W

WGS84 107.45000° W

10° N

0 1000 FEET 0 500 1000 METERS

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Service 4109 E. Main Street Farmington, New Mexico 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton, 4109 E. Main, Farmington attach list of originating sites as appropriate	
4. Source and Description of Waste Washbay grit from 2 bays that have been dried in a drying bed.	

I, Merle D. Krause III representative for:
Print Name

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

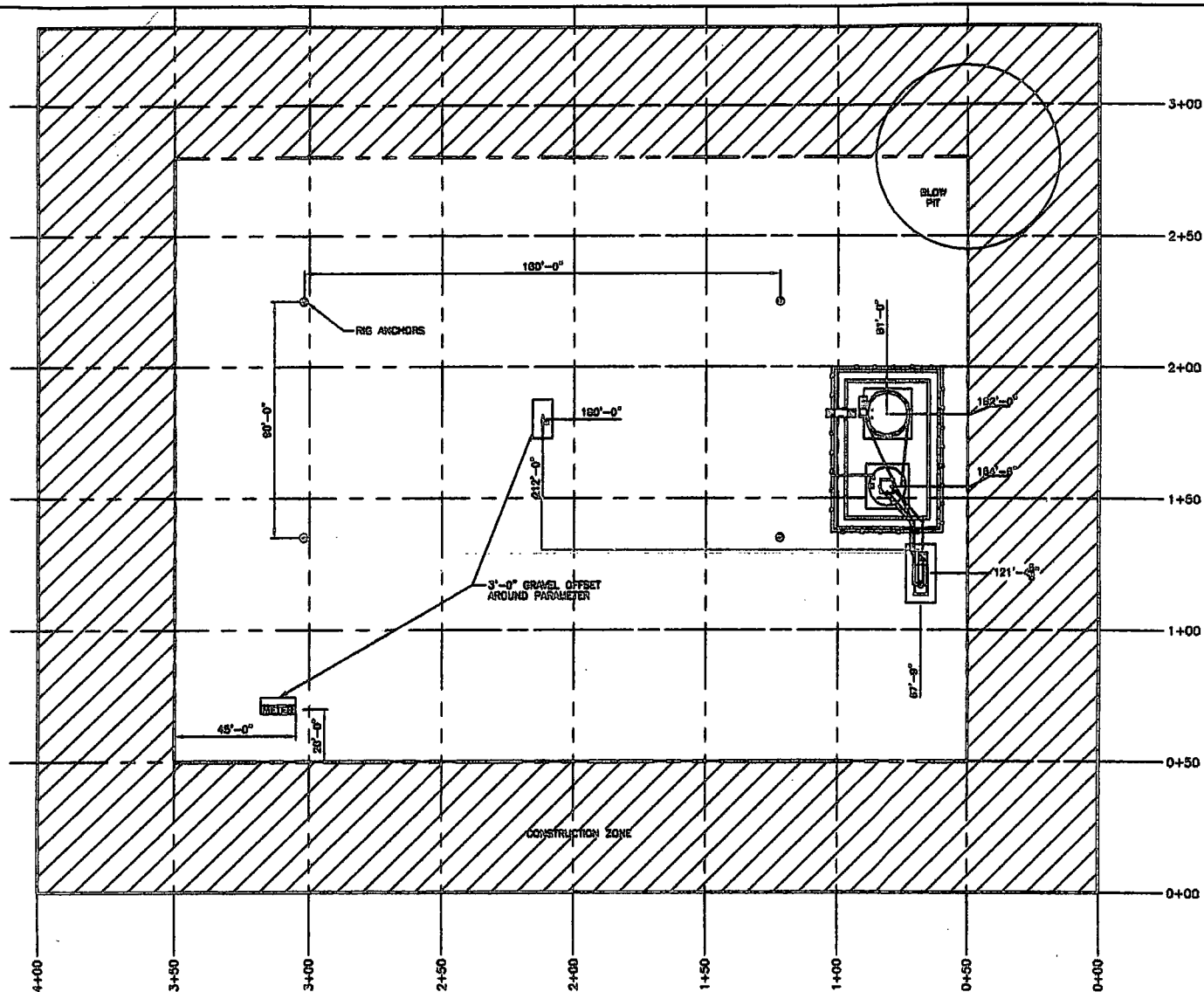
This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): _____

Title: Material Control Supervisor

Phone Number: (505) 324-3551

Date: November 5, 2005



NOTES:
SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE CURVED A DOL OF 3'-0" TOP

REVISIONS				REVISIONS			
NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
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HAWK DAKOTA
FARMINGTON, NEW MEXICO
HIGH PRESSURE MESA VERDE/DAKOTA
FACILITY DIAGRAM - SITE LAYOUT
SHEET 1 OF 4

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 23812

DATE 11-5-05 JOB # 92132-039

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME J. Winterton COMPANY ETEC SIGNATURE [Signature]

DATE 11-5-05

RECEIVED MAY 9 7 2005

13. Operator's Representative and Certification

The person who can be contacted concerning compliance of this Surface Use Plan is:

Chuck Smith
Sr. Construction Supervisor
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289
505-326-9845

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in the plan, are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Burlington Resources and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved. This statement is subject to the provision of 18 U.S.C. 1001 for filing of a false statement:



Joni Clark, Regulatory Analyst



Date

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST #

23597

DATE _____

11/5/05

JOB #

92-132-039

[illegible]

RECEIVED NOV 17 2005

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME _____

Additional materials have been
 Tim Schwarz

~~COMPANY~~

ΣυνοψισΤοΤεϫη

SIGNATURE

[Signature]

DATE _____

11/5/05

8. Ancillary Facilities

There is a possibility that the placement of a compressor unit or pumping unit will be needed on location during some stage in the life of this well. If and when a compressor is placed on location, it will abide by any noise restrictions in affect at that time.

9. Production Facility Layout

- A. See attachment to this plan. Production equipment will be painted the color designated by the BLM: Color Juniper Green.
- B. Any production equipment encompassed by a dirt berm or one in which potentially hazardous fluids are present shall be adequately fenced and properly maintained in order to safeguard both livestock and wildlife.
- C. Location of Proposed New Facilities. - A buried steel pipeline of Williams is being applied for within this APD.

10. Plans for Restoration of Surface

Topsoil (6") will be stockpiled in the construction zone for later use in restoration. When the well is abandoned, the location and access road will be cleaned and restored to the original topographical contours as much as possible. The area will be reseeded with the appropriate seed mixture. If the well is productive, areas not used in production will be contoured and seeded with stipulated mixture.

11. Surface Ownership

The BLM/Farmington Field Office has mineral jurisdiction on this project.

12. Other Information

- 1. The onsite for the proposed project was conducted on 1/26/06 with Lindsey Hansen as the BLM as Lead.
- 2. No invasive weeds were identified in the proposed project area.
- 3. Aztec Archeology in Aztec, New Mexico has provided the Cultural Resource Survey Report - Report Number AAC-04-192.
- 4. Notification will be given to the BLM prior to construction of the well pad and access road.
- 5. The proposed action would impact no floodplains or stock ponds.
- 6. This well is twinned with the San Juan 28-6 Unit #437.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Bill of Lading

MANIFEST #

23766

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 11-4-05

JOB # 92132-039-00

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME

Heroy Paul

-COMPANY-

Environment

SIGNATURE

Elizabeth

DATE 11-4-03

DECLASSIFIED BY: 6032
DATE: 07-20-2015

BURLINGTON RESOURCES

Multi-Point Surface Use Plan for San Juan 28-6 Unit #148N

The following is required information concerning the possible effect, which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items on this plan.

1. Existing Roads and Well Locations

- A. The proposed Mesaverde/Dakota well location site is Unit G (SWNE) of Section 28, T28N, R06W, in Rio Arriba County, New Mexico. Existing roads used to access the location shall be maintained in the same or better condition than presently maintained.
- B. Directions to the location - see attached

2. Planned Access Road

- A. No new access road will have to be constructed to reach the proposed well pad.
- B. Turnouts as specified by the BLM.
- C. Using the Plat 1 Map (cut & fill diagram) for reference of road direction and length.
- D. Cattleguards - no new cattleguards indicated during onsite.

3. Wellsite Layout & Cross Sections

See Cut & Fill plat for details. The proposed project will require 3:1 cut & fill slopes during the clean-up phase of the project. Trees from the well pad will be used as erosion control along new access road as needed and the remainder will be cut & hauled to town.

5. Water Supply

Water will be trucked to the location from San Juan 28-6 Water Hole located in SW/4 of Section 23, T28N, R06W, New Mexico.

6. Source of Construction Materials:

Construction materials will be obtained from the location site.

7. Methods of Handling Waste Disposal

- A. The Drill cuttings, drill water and completion fluids will be placed in a lined reserve pit. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be allowed to dry or the fluids will be hauled to an approved disposal facility. The reserve pit will then be backfilled, leveled and contoured as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured and reseeded with the appropriate seed mixture as specified by the BLM. The information mentioned in this section is in accordance with Burlington's "General Plan" to construct and close drill pits which is in compliance with Rule 19.15.2.50 (B) (2).
- A. All garbage and trash will be hauled away to a landfill designated by Burlington.
- B. Chemical toilets will be provided and maintained during drilling operations.
- C. Any brush, small trees and limbs will be used as erosion control along the new access road.

MANIFEST #

23767

DATE 11-5-05 JOB # 92132-039-001

[illegible]NAME Gregory Paul COMPANY Calvinistich SIGNATURE Gregory Paul

ENTERED NOV 6 9 2000
from the above mentioned Gar

DATE 11-5-05

RECEIVED NOV 07 2005

CULTURAL RESOURCE STIPULATIONS

Farmington Field Office

BLM Report Number: 2006(II)191F

Project Name: San Juan 27-5 Unit #102P well and pipeline

Project Sponsor: Burlington Resources

1. Site Protection and Employee Education:

All employees of the project will be informed that cultural sites are to be avoided by all personnel, personal vehicles and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources.

2. Notification:

In case of discovery or questions concerning these stipulations contact Peggy Gaudy at 505.599.6337.

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Verbal was received from Edwin Martin of the NMOC in the Santa Fe Office on 5/10/05	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Wash Bay
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSR) 4109 E. Main Street, Farmington	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 10/7/04 attached.

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

SIGNATURE Brandon Powell
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: May 10, 2005

TYPE OR PRINT NAME: Brandon Powell

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Edwin Martin</u>	TITLE: <u>Env. Eng.</u>	DATE: <u>4-1-06</u>
APPROVED BY: _____	TITLE: _____	DATE: _____



Scientific Drilling Planning Report

BURLINGTON™
RESOURCES

Company: Burlington Resources	Date: 2006/02/28	Time: 20:11:35	Page: 1
Field: Rio Arriba, NM	Co-ordinate(NE) Reference: Well: 27-5 UNIT 102P, Grid North		
Site: SECTION 27-5	Vertical (TVD) Reference: SITE 6965.0		
Well: 27-5 UNIT 102P	Section (VS) Reference: Well (0.00N,0.00E,266.23Azi)		
Wellpath: OH	Plan: Plan #1		

Field: Rio Arriba, NM

United States of America

Map System: US State Plane Coordinate System 1927

Geo Datum: NAD27 (Clarke 1866)

Sys Datum: Mean Sea Level

Map Zone:

New Mexico, Western Zone

Coordinate System:

Well Centre

Geomagnetic Model:

bggm2005

Site: SECTION 27-5

Site Position:

From: Lease Line

Position Uncertainty: 0.00 ft

Ground Level: 0.00 ft

Northing:

ft

Easting:

ft

Latitude:

Longitude:

North Reference:

Grid

Grid Convergence:

0.31 deg

Well: 27-5 UNIT 102P

Slot Name:

Well Position: +N/-S 137.05 ft **Northing:** 2032172.210 ft **Latitude:** 36 35 1.716 N

+E/-W 97.62 ft **Easting:** 653131.090 ft **Longitude:** 107 18 42.372 W

Position Uncertainty: 0.00 ft

Wellpath: OH

Drilled From:

Surface

Current Datum: SITE

Height 6965.00 ft

Tie-on Depth:

0.00 ft

Magnetic Data: 2005/11/22

Above System Datum:

Mean Sea Level

Field Strength: 51323 nT

Declination:

10.35 deg

Vertical Section: Depth From (TVD)

+N/-S

Mag Dip Angle:

63.55 deg

ft

ft

+E/-W

ft

Direction

deg

0.00

0.00

0.00

266.23

Plan: Plan #1

Date Composed:

2005/11/22

Principal: Yes

Version:

1

Tied-to:

From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
916.79	20.67	266.23	905.66	-6.07	-92.02	4.00	4.00	0.00	0.00	
4660.51	20.67	266.23	4408.34	-93.06	-1410.74	0.00	0.00	0.00	0.00	
5177.31	0.00	0.00	4914.00	-99.13	-1502.76	4.00	-4.00	0.00	180.00	
8539.31	0.00	0.00	8276.00	-99.13	-1502.76	0.00	0.00	0.00	0.00	PBHL

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 4.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
500.00	4.00	266.23	499.92	-0.23	-3.48	3.49	4.00	4.00	0.00	0.00
600.00	8.00	266.23	599.35	-0.92	-13.91	13.94	4.00	4.00	0.00	0.00
700.00	12.00	266.23	697.81	-2.06	-31.23	31.30	4.00	4.00	0.00	0.00
800.00	16.00	266.23	794.82	-3.65	-55.37	55.49	4.00	4.00	0.00	0.00
900.00	20.00	266.23	889.91	-5.69	-86.20	86.38	4.00	4.00	0.00	0.00
916.79	20.67	266.23	905.66	-6.07	-92.02	92.22	4.00	4.00	0.00	0.00



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Service 4109 E. Main Street Farmington, New Mexico 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton, 4109 E. Main, Farmington attach list of originating sites as appropriate	
4. Source and Description of Waste Washbay grit from 2 bays that have been dried in a drying bed.	

Merle D. Krause III

representative for :

Print Name

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): _____

Title: Material Control Supervisor

Phone Number: (505) 324-3551

Date: May 10, 2005

**Directions from the Post Office in
In BLANCO, NM to**

Burlington Resources Oil & Gas Company LP, SAN JUAN 28-6 UNIT No. 148N

**1850' FNL & 1630' FEL, Section 28, T-28-N, R-6-W, N.M.P.M., Rio Arriba County,
New Mexico**

From the Post Office in Blanco, NM Go East on Highway 64, 22.5 miles.

Turn right and go Southeasterly 3.3 miles.

Turn right and go southerly 0.5 miles.

Turn left and go southerly 1.6 miles to the "Crow's Foot".

Continue straight in a southwesterly direction for 1.4 miles.

Turn right and go northwesterly for 0.5 miles.

Turn right and go northwesterly for 0.9 miles.

Turn right and go northeasterly for 0.3 miles to new well location at the San Juan 28-6
Unit No. 437 well location.

THE UNIVERSITY OF CHICAGO

Bill of Lading

MANIFEST # 22609

DATE 5-10-05 JOB # 92132-001

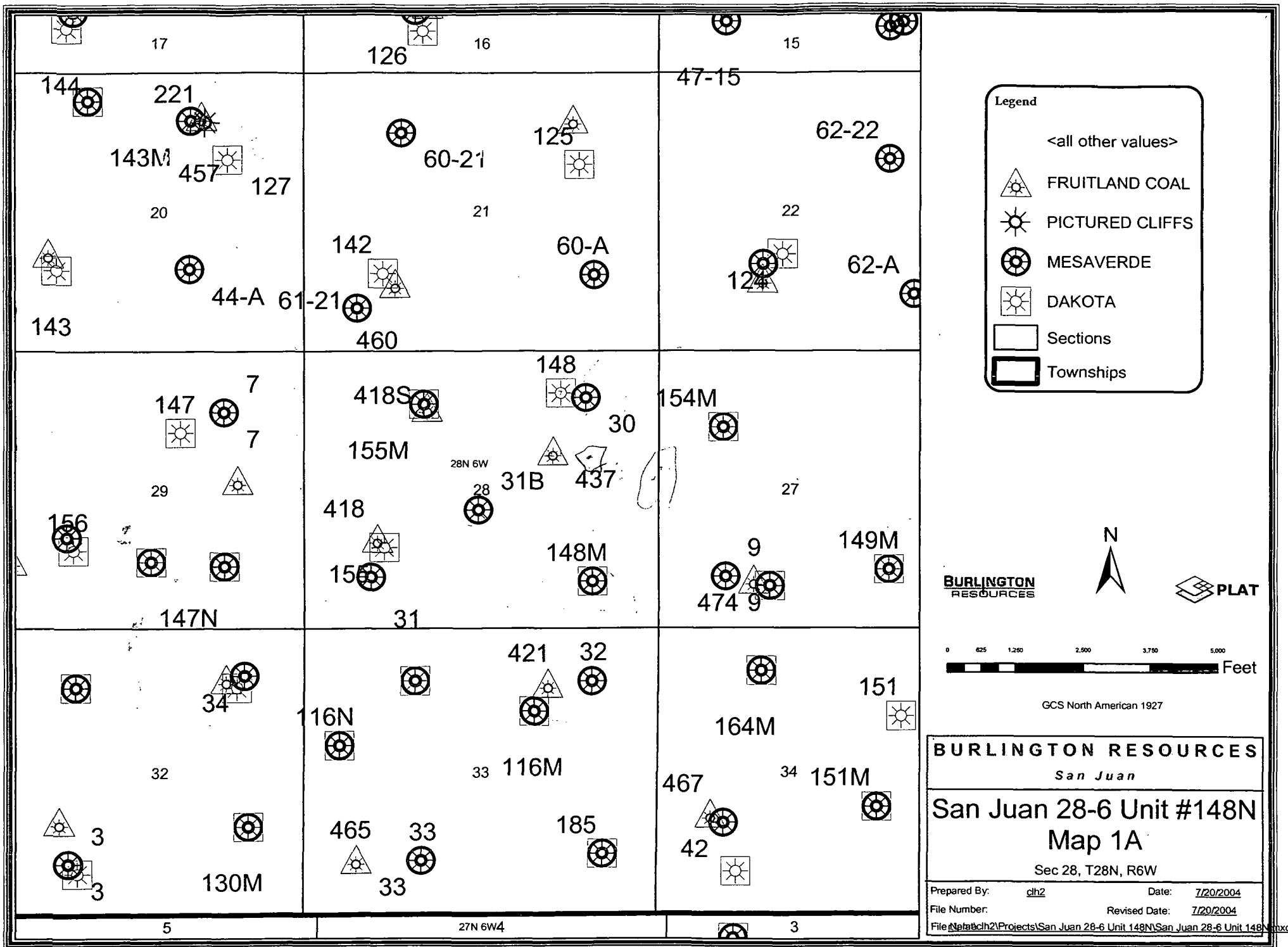
PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME M. Winterlow COMPANY ETC SIGNATURE [Signature]

DATE 5-12-05



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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 8/07/06 verbal approval Brandon Powell effective 8/6/06 EMERGENCY SITUATION	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Truck accident
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Navajo Dam spillway - Hwy 511 mm 14	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept sludge from cleanup of material from truck accident at Navajo Dam spillway. Water was vacuumed up as much as possible and area was steam cleaned to finish the cleanup effort.

RCRA metals testing done 8/5/06 revealed the following levels: Arsenic nondetect; Barium 0.250 mg/Kg; Cadmium 0.003 mg/Kg; Chromium 0.003 mg/Kg; Lead nondetect; Mercury nondetect; Selenium 0.001 mg/Kg; Silver nondetect.

Charlie Perrin, District Supervisor NMOCD and State Police Sgt Albert Montoya agreed water vacuumed up was acceptable to transport to Envirotech Landfarm 2 to be used for dust suppression.

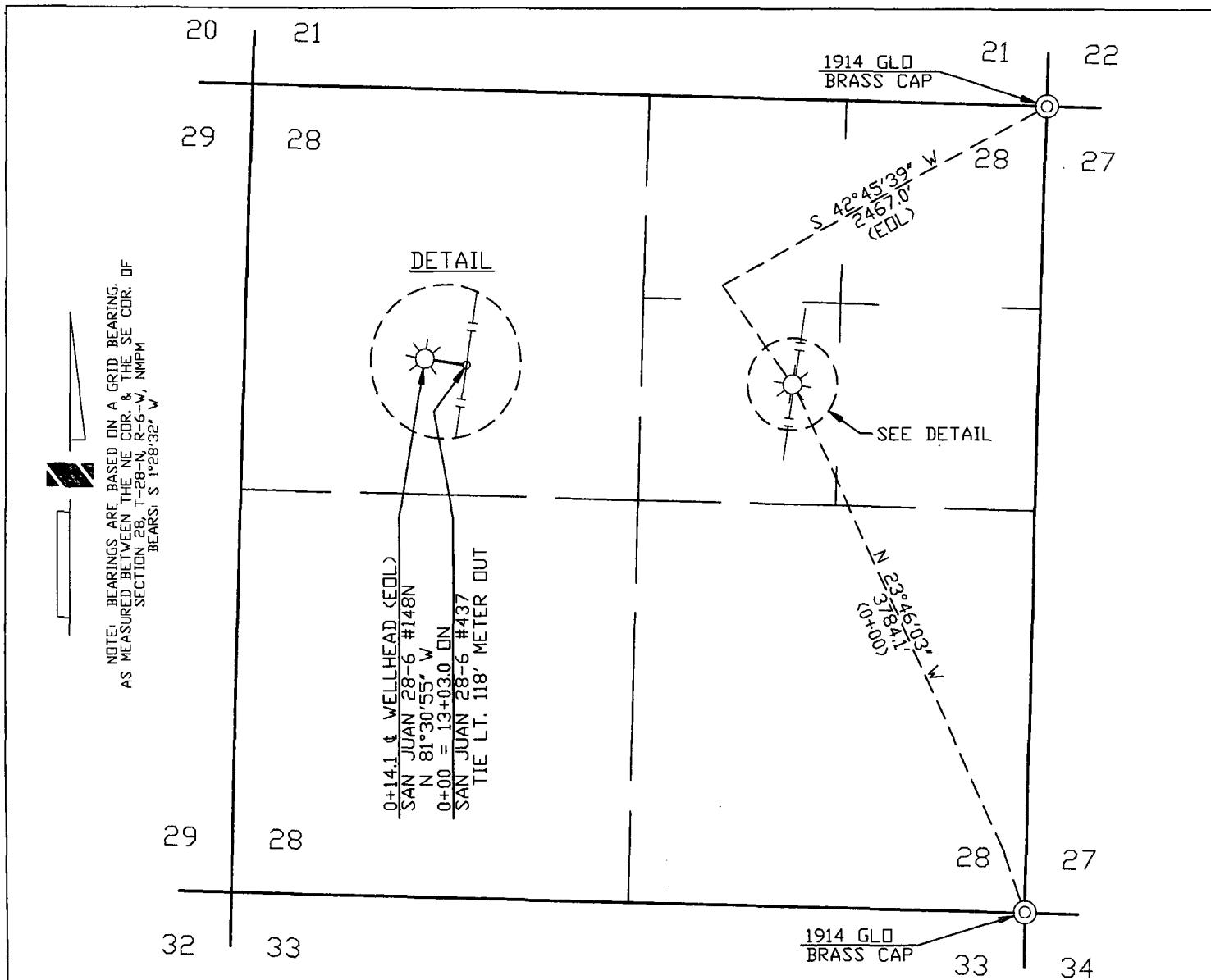
CWS for water and sludge material, analyticals, MSDS for diesel #2, Chevron antifreeze, Chevron Delo motor oil, Chevron rock drill oil, Chevron hydraulic oil and Chevron automatic transmission oil attached

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

SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: August 7, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>8/9/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro ENGR</u>	DATE: <u>8/30/06</u>



PIPE DATA									
OWNERSHIP	SUBDIVISION		OWNER		FEET	MILES	ACRES	RODS	
	0+00 TO 0+14.1		BUREAU OF LAND MANAGEMENT		14.1	0.003	0.0130	0.855	
REVISION	2	8/3/05	AD	LINE CHANGE 7/28/05			PB		
	1	6/16/05	AD	ISSUED FOR REVIEW			PB	2	2/16/06
	NO.	DATE	BY	DESCRIPTION	W.D.NO.	CHK.	APP.	NO.	DATE
INFO		DRAFTING		BY	DATE	STATE: NEW MEXICO		WILLIAMS FIELD SERVICES	
R/W #: 06065		DRAWN BY		AD	6/16/05	COUNTY: RIO ARriba		ONE OF THE WILLIAMS COMPANIES	
METER #:		CHECKED BY		PB	6/17/05	SAN JUAN GATHERING SYSTEM BROG - SAN JUAN 28-6 #148N 0+00 = 13+03.0 ON SAN JUAN 28-6 #437 (REF. DWG. 20L765.0-10-1) SEC. 28, T-28-N, R-6-W, NMPM			
SURVEYED: 6/9/05		APPROVED BY							
		ENGINEER		BY	DATE				
		DESIGNED BY				SCALE: 1"=1000'		SHEET 1 OF 1	
		PROJ. APPROVED				DWG NO. 20L765.0-18-1		REV 3	

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> VERBAL APPROVAL - BRANDON POWELL 8/2/06	4. Generator: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Thompson CDP
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Sec 4; T 30N; R 12W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil from spill cleanup on site. Soil contaminated with antifreeze that spilled from bulk storage on site.

CWS and MSDS for Coastal Chemical product Thermguard 50 antifreeze attached.

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

SIGNATURE Morris D. Young TITLE: President DATE: 08/02/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>8/9/06</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>9/5/06</u>

anchors with a graveled pull through shall be accomplished, with even spreading of top soil and seeding of disturbed areas directly following well drilling.

EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P50 #1 Wildlife USFWS
3/16/2004 letter WRT Consultation # 2-22-04-I-262. **Migratory Birds:**

- If construction is to occur during Migratory bird breeding season (March through August) a survey for Migratory birds shall be made just prior to construction with activities avoiding nesting/fledgeling individuals discovered. The least amount of trench shall be left open overnight and escape routes from trenches provided for wildlife per USFWS recommendation 3/16/2004 letter WRT Consultation # 2-22-04-I-262.

- EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P46 MITIGATION.
The contractor shall use Best Management Practices (BMP's) which eliminate or minimize adverse impacts to the environmental public health and the Natural Resources

- EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P47. Permanent pad slopes shall not exceed 2:1 per BIA COAs. Slopes greater than 3:1 shall not exceed 2:1 and shall be lined at top and toe with continuous waddles as excelsior logs and shall be additionally covered with an erosion inhibiting material and timely seeded with a BIA approved seedmix.

EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P53 Resource Related Pests #1b.

- Permitted lands shall be controlled for noxious and non-native species for the life of the project.

EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P51 Wildlife

- Vent stacks shall be installed with bird and bat screen protectors.

EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, Wildlife.

- Following well drilling and completion during the liquid drying stage for reserve pits, the pits shall be fully fenced. If fluids contain hydrocarbons or hazardous chemicals bird netting shall be suspended and maintained in order to protect migratory birds until reclamation is completed.

43 CFR 3162.3-4

- **Final well reclamation:** According to the regulations in 43 CFR 3162.3-4, a well site is to be reclaimed and re-vegetated directly following plugging. The BLM-SJRA stipulates that **surface reclamation** be completed within 180 days of the final plugging operation. The final reclamation



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

99045

BILL RICHARDSON

Governor

Joanna Prulok

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address HANOVER 1280 TROY KING RD. FARMINGTON, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Williams' Thompson Compressor Station attach list of originating sites as appropriate	
Location of the Waste (Street address &/or ULSIT): Sec. 4 T30N R12W	
4. Source and Description of Waste COASTAL CHEM. THERMIGUARD 50 ANTIFREEZE SPILLED FROM BULK STORAGE TANK ONTO GROUND, MIXED WITH SOIL	

Michael Balcar

representative for:

Print Name

HANOVER

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): Michael BalcarTitle: AREA MANAGERPhone Number: 505-566-5212Date: 8/2/06

- EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, #11.

Instead of installing a reserve pit in cut materials, a self contained mud pit shall be allowed and may be placed on fill materials. The tank shall have encompassing adequate berms to retain a spill in excess of the volume of the tank. Cuttings may be stored above ground on the well pad or in the construction zone within a 12 mil minimum lined berm adequate to contain cuttings. At the end of drilling, all cuttings shall be buried in a lined trench in undisturbed materials and covered within the pad.

- EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, #8.

A geo-textile fabric shall be installed on the south pad slope to prevent erosion.

- EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, #9

The pad shall be sloped slightly into the center with shallow berms erected around the periphery to keep storm water from eroding the shoulders of the pad.

For all wells,

- EPA Storm Water Pollution Prevention Plan is not required, but Best Management Practices must be employed for erosion controls. *It is the understanding of this BLM office that the project does exceed 5 Acres. A Storm Water Pollution Prevention Plan shall be submitted to the BIA- UMU Agency.*

- Travel shall be prohibited in inclement weather.
UMU/BIA standards.

- Access road R.O.W's shall be 20' maximum disturbance width, pipelines shall be 40' ROW (combined P/L and Road = 40' as well). Pad construction zones shall be 30', not 50' unless circumstances have required that as an exception Condition of Approval.

EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P50 #3 Wildlife

- If any Threatened/Endangered/Sensitive (TES) species are identified during construction or operation, the UMU Tribe and the BIA shall be contacted immediately and construction activities potentially adversely affecting the species shall be discontinued until clearance is provided by the UMU Tribe/BIA and the USFWS.

(EA of OIL & GAS LEASING & DEVELOPMENT on UMUIR, 1993, P49 Water Resources #8)

- During construction, the top 6-8" of topsoil shall be piled within the permitted area, designated as such and used for interim reclamation. Interim reclamation to the well-bore

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Common Name	ThermGuard 50	Code	Not available.
Supplier	COASTAL CHEMICAL CO., L.L.C. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 337-893-3862	MSDS#	Not available.
Synonym	Not available.	Validation Date	03/16/2000
Trade name	Not available.	Print Date	10/05/2000
Material Uses	Industrial applications: Coolant and antifreeze.	In case of Emergency	Transportation Emergency Call CHEMTREC 800-424-9300 Other Information Call Joe Hudman 713-477-6675
Manufacturer	Coastal Chemical Co., Inc. 3520 Veterans Memorial Drive Abbeville, La.		

Section 2: Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
1) Ethylene Glycol	107-21-1	50	CEIL: 39.4 (ppm) CEIL: 100 (mg/m ³)	ORAL (LD50): Acute: 4700 mg/kg [Rat]. DERMAL (LD50): Acute: 9530 mg/kg [Rabbit].

Section 3: Hazards Identification

Emergency Overview	CAUTION! HARMFUL IF INHALED. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. Repeated or prolonged exposure to the substance can produce kidney damage.
Routes of Entry	Ingestion.
Potential Acute Health Effects	Very dangerous in case of ingestion. Very slightly to slightly dangerous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation. This product may irritate eyes and skin upon contact.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. The substance is toxic to kidneys, the nervous system, the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	No additional information.

Continued on Next Page

Between Sta 60+89.34 and 61+98.65 it shall be required to move the **Centerline of ROW to the west side of the two-track** to avoid an archy site that shall be fenced prior to construction activities and avoided.

At Sta 63+29 an archy site is off the road to the west. It shall be fenced prior to construction activities and avoided

(C) The drainage at Sta 60+00 will require a suitably sized culvert.

Between Sta 64+49.86 and 65+22.42, a sizeable ephemeral drainage is encountered. A 24"x 40' or larger culvert would be required with armored inlet and outfall with rock rip-rap to channel water to the culvert. While Army Corps notification may be required, notice of action is advised and construction must follow guidelines of NWP #12 and NWP #14.

A suitably sized culvert shall be utilized at station 73+53 with a ramp constructed to gain necessary elevation. *This culvert shall be armored upstream and at outlet to prevent erosion. The entire access shall be ditched on the uphill side, adequately culverted and crowned.*

(D) Between Sta. 61+98.65 and sta 65+48.71 the **pipeline shall stay with the road right-of-way and not diverge to the north across the dog-leg of the access.** . At sta 67.38 an archy site shall be fenced prior to construction activities and avoided.

(E) At Sta 69+15.00 to 70+71.00 silt fences or other effective means shall keep spoils out of the drainage during construction phases and matting and excelsior logs used to retain soils until stabilized by reseeding or other approved method. .

EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, Construction #7

- A trench and berm shall be required in the construction zones on the north and higher elevations of the pad surfaces to channel water to the south or east to natural watercourses around the pad to prevent stormwater from entering the pad.

EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, General #1, #10 Army Corps of Engineers NWP #18, filling drainages.

- The soils shall be kept out of the respective drainages (silt fencing or other effective controls) during construction and by geo-textile matting afterwards. All slopes shall be kept to less than 2:1 and shall be stabilized. This means that the north slope at the 25-30' cuts will need to be retracted slightly to keep within the exterior construction limits.

ThermGuard 50

Page Number: 2

Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	The lowest known value is 398°C (748.4°F) (Ethylene Glycol).
Flash Points	The lowest known value is CLOSED CUP: 116°C (240.8°F). OPEN CUP: 111°C (231.8°F). (Cleveland). (Ethylene Glycol)
Flammable Limits	The greatest known range is LOWER: 3.2% UPPER: 15.3% (Ethylene Glycol)
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Very slightly to slightly flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards	When heated to decomposition, it emits acrid smoke and irritating fumes. (Ethylene Glycol)
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling	Not available.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Personal Protection	Safety glasses. Lab coat. Gloves (impervious). Wear appropriate respirator when ventilation is inadequate.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
Chemical Name or Product Name	CAS #	Exposure Limits

Continued on Next Page

9.0 SITE SPECIFIC MITIGATION MEASURES

As a Result of Environmental Assessment
And Onsite Consultation
For the **Ute Indian B-1** well DNA 05-023

ALL CONSTRUCTION PERSONNEL TAKE NOTICE! THESE ARE CONDITIONS OF APD APPROVAL.

SITE	TREE REMOVAL			ARROYOS/ Ephemeral washes	CWA	Cultural: Site Fenced & Archaeologist
	PAD	ACCESS	PIPELINE			
Ute Indian B-1	x	x	x	several crossed	NWP#12,14	To Be Fenced

At the Ute Indian B-1 well location, access route and pipeline route:

EA-Oil & Gas Leasing & Development- UMUIR P31, IV. "Pads, Roads, Pipelines"

- UMU/BIA Condition: Roads shall be 20' maximum disturbance width, pipelines shall be 40' ROW (combined P/L and Road = 40' as well).

EA-Oil & Gas Leasing & Development- UMUIR P53, K. "Archaeological"

- All known cultural resources must be protected by providing a buffer zone, temporary fencing and other provisions as stated on pages 20-21 in Report LAC 2004-19e.

EA-Oil & Gas Leasing & Development- UMUIR P49, Water Resources, Control #1

- The road shall be ditched with channels to existing drainages. Low water crossings shall be provided into the subsurface the width of the crossings.

(A.) Specifically, the road shall be bladed, ditched, and constructed with **appropriate rock armored low water crossings finished at grade level as needed to preclude soil erosion. Access road crossings shall incorporate the addition of suitable rock below natural ephemeral grade to a minimum of 12" with 4" pit run cobble or equivalent, extending a minimum of 25' beyond the centerline of the washes.** These exist notably at Sta 40+00, 43+50, 45+00, 48+00, 50+00, 51+00 along the existing dozed P&A well road. Along the new construction portion, notable is Sta 57.67 which will require rock fill on top and around an existing rock slab base.

At Sta 63+29 a low water crossing shall be constructed with minimum 4" cobbles or local rock equivalent riprap.

(B) Between Sta 57+00 and 60+00, the centerline of the road shall be shifted to the east edge of the existing two-track to avoid an archy site to the left. It shall be fenced prior to construction activities and avoided.

1) 1,2-Ethanediol

107-21-1

CEIL: 39.4 (ppm) CEIL: 100 (mg/m³)**Section 9. Physical and Chemical Properties**

Physical state and appearance	Liquid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Neutral.	Color	Not available.
Boiling Point	The lowest known value is 198°C (388.4°F) (Ethylene Glycol).		
Melting Point/Pour Point	May start to solidify at -13.5°C (7.7°F) based on data for: Ethylene Glycol.		
Critical Temperature	Not available.		
Specific Gravity	1.06 (Water = 1)		
Vapor Pressure	The highest known value is 0.05 mm of Hg (@ 20°C) (Ethylene Glycol).		
Vapor Density	The highest known value is 2.1 (Air = 1) (Ethylene Glycol).		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation rate	Not available.		
Viscosity	Not available.		
Water/Oil Dist. Coeff.	The product is much more soluble in water.		
Ioncity (in Water)	Not available.		
Dispersion Properties	See solubility in water, methanol, diethyl ether.		
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether. Very slightly soluble in n-octanol.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, alkalis.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Not available.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 4700 mg/kg (Rat) Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit.)
Chronic Effects on Humans	The substance is toxic to kidneys, the nervous system, the reproductive system, liver.
Other Toxic Effects on Humans	Very dangerous in case of ingestion. Very slightly to slightly dangerous in case of skin contact (irritant, sensitizer, permeator), of eye contact (irritant), of inhalation.
Special Remarks on Toxicity to Animals	Toxic for humans or animal life. (Ethylene Glycol)

Continued on Next Page

Scientific Drilling Planning Report

Company: Burlington Resources
Field: Rio Arriba, NM
Site: SECTION 27-5
Well: 27-5 UNIT 102P
Wellpath: OH

Date: 2006/02/28 **Time:** 20:11:35 **Page:** 4
Co-ordinate(NE) Reference: Well: 27-5 UNIT 102P, Grid North
Vertical (TVD) Reference: SITE 6965.0.
Section (VS) Reference: Well (0.00N,0.00E,266.23Azi)
Plan: Plan #1

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3372.22	3203.00	Ojo Alamo		0.00	80.67
3534.68	3355.00	Kirtland		0.00	80.67
3837.16	3638.00	Fruitland		0.00	80.67
4056.26	3843.00	Pictured Cliffs		0.00	80.67
4227.27	4003.00	Lewis		0.00	80.67
4472.03	4232.00	Hurfanito Bentonite		0.00	80.67
5027.03	4764.00	Chacra		0.00	80.67
5747.31	5484.00	Massive Cliff House		0.00	80.67
5875.31	5612.00	Menefee		0.00	80.67
6225.31	5962.00	Point Lookout		0.00	80.67
6750.31	6487.00	Mancos		0.00	80.67
7400.31	7137.00	Gallup		0.00	80.67
8173.31	7910.00	Greenhorn		0.00	80.67
8235.31	7972.00	Graneros		0.00	80.67
8267.31	8004.00	Two wells		0.00	0.00
8383.31	8120.00	Upper Cubero		0.00	80.67
8423.31	8160.00	Lower Cubero		0.00	80.67
8509.31	8246.00	Encinal		0.00	80.67

Annotation

MD ft	TVD ft	
400.00	400.00	KOP

Special Remarks on
Chronic Effects on Humans

No additional remark.

Special Remarks on other
Toxic Effects on Humans

Exposure can cause nausea, headache and vomiting. (Ethylene Glycol)

Section 12. Ecological Information

Ecotoxicity

Not available.

BOD5 and COD

Not available.

Products of Biodegradation

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products
of Biodegradation

The products of degradation are less toxic than the product itself.

Special Remarks on the
Products of Biodegradation

No additional remark.

Section 13. Disposal Considerations

Waste Disposal

Follow local, state, and federal guidelines.

Section 14. Transport Information

Proper Shipping Name

Drums - Not Regulated
Bulk (> 1000 gals.) - Regulated
Environmentally hazardous substances, liquid, N.O.S. (Ethylene Glycol)

DOT Classification

DOT CLASS 9: Miscellaneous hazardous material.

DOT Identification Number

UN3082

Packing Group

III

Hazardous Substances
Reportable Quantity (kg)

10001.7lbs. (4535.9 kg)

Special Provisions for
Transport

No additional remark.

Section 15. Regulatory Information

Federal and State
Regulations

The following product(s) is (are) listed on SARA 313: Ethylene Glycol
The following product(s) is (are) listed by the State of Massachusetts: Ethylene Glycol
The following product(s) is (are) listed on TSCA: Ethylene Glycol

Other Classifications

WHMIS (Canada)

WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC)

Not controlled under DSCL (Europe).

Continued on Next Page



Scientific Drilling Planning Report

BURLINGTON™
RESOURCES

Company: Burlington Resources
Field: Rio Arriba, NM
Site: SECTION 27-5
Well: 27-5 UNIT 102P
Wellpath: OH

Date: 2006/02/28 Time: 20:11:35 Page: 3
Co-ordinate(NE) Reference: Well: 27-5 UNIT 102P, Grid North
Vertical (TVD) Reference: SITE 6965.0
Section (VS) Reference: Well (0.00N,0.00E,266.23Azi)
Plan: Plan #1

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.00	0.00	0.00	5236.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5600.00	0.00	0.00	5336.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5700.00	0.00	0.00	5436.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5747.31	0.00	0.00	5484.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5800.00	0.00	0.00	5536.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5875.31	0.00	0.00	5612.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5900.00	0.00	0.00	5636.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6000.00	0.00	0.00	5736.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6100.00	0.00	0.00	5836.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6200.00	0.00	0.00	5936.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6225.31	0.00	0.00	5962.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6300.00	0.00	0.00	6036.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6400.00	0.00	0.00	6136.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6500.00	0.00	0.00	6236.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6600.00	0.00	0.00	6336.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6700.00	0.00	0.00	6436.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6750.31	0.00	0.00	6487.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6800.00	0.00	0.00	6536.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
6900.00	0.00	0.00	6636.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7000.00	0.00	0.00	6736.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7100.00	0.00	0.00	6836.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7200.00	0.00	0.00	6936.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7300.00	0.00	0.00	7036.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7400.00	0.00	0.00	7136.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7400.31	0.00	0.00	7137.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7500.00	0.00	0.00	7236.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7600.00	0.00	0.00	7336.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7700.00	0.00	0.00	7436.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7800.00	0.00	0.00	7536.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
7900.00	0.00	0.00	7636.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8000.00	0.00	0.00	7736.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8100.00	0.00	0.00	7836.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8173.31	0.00	0.00	7910.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8200.00	0.00	0.00	7936.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8235.31	0.00	0.00	7972.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8267.31	0.00	0.00	8004.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8300.00	0.00	0.00	8036.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8383.31	0.00	0.00	8120.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8400.00	0.00	0.00	8136.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8423.31	0.00	0.00	8160.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8500.00	0.00	0.00	8236.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8509.31	0.00	0.00	8246.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
8539.31	0.00	0.00	8276.00	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
PBHL			8276.00	-99.13	-1502.76	2032073.080	651628.330	36	35	0.816 N	107	19	0.804 W
-Circle (Radius: 100)													
-Plan hit target													

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
350.00	350.00	9.625	12.250	9 5/8"
5177.31	4914.00	7.000	8.500	7"

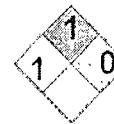
Section 16. Other Information

HMIS (U.S.A.)

Health	* 2
Flammability	1
Reactivity	0
Personal Protection	B

National Fire Protection
Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References Not available.

Other Special
Considerations No additional remark.

Validated by Joe Hudman on 03/16/2000.

Verified by Joe Hudman.

Printed 10/05/2000.

Transportation Emergency Call
CHEMTREC 800-424-9300
Other Information Call
Joe Hudman
713-477-6675

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Scientific Drilling Planning Report

Company: Burlington Resources
 Field: Rio Arriba, NM
 Site: SECTION 27-5
 Well: 27-5 UNIT 102P
 Wellpath: OH

Date: 2006/02/28 Time: 20:11:35 Page: 2
 Co-ordinate(NE) Reference: Well: 27-5 UNIT 102P, Grid North
 Vertical (TVD) Reference: SITE 6965.0
 Section (VS) Reference: Well (0.00N,0.00E,266.23Azi)
 Plan: Plan #1

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1000.00	20.67	266.23	983.50	-8.00	-121.33	121.59	0.00	0.00	0.00	0.00
1100.00	20.67	266.23	1077.07	-10.33	-156.55	156.89	0.00	0.00	0.00	0.00
1200.00	20.67	266.23	1170.63	-12.65	-191.78	192.20	0.00	0.00	0.00	0.00
1300.00	20.67	266.23	1264.19	-14.97	-227.00	227.50	0.00	0.00	0.00	0.00
1400.00	20.67	266.23	1357.75	-17.30	-262.23	262.80	0.00	0.00	0.00	0.00
1500.00	20.67	266.23	1451.31	-19.62	-297.45	298.10	0.00	0.00	0.00	0.00
1600.00	20.67	266.23	1544.87	-21.95	-332.68	333.40	0.00	0.00	0.00	0.00
1700.00	20.67	266.23	1638.44	-24.27	-367.90	368.70	0.00	0.00	0.00	0.00
1800.00	20.67	266.23	1732.00	-26.59	-403.13	404.00	0.00	0.00	0.00	0.00
1900.00	20.67	266.23	1825.56	-28.92	-438.35	439.31	0.00	0.00	0.00	0.00
2000.00	20.67	266.23	1919.12	-31.24	-473.58	474.61	0.00	0.00	0.00	0.00
2100.00	20.67	266.23	2012.68	-33.56	-508.80	509.91	0.00	0.00	0.00	0.00
2200.00	20.67	266.23	2106.25	-35.89	-544.03	545.21	0.00	0.00	0.00	0.00
2300.00	20.67	266.23	2199.81	-38.21	-579.25	580.51	0.00	0.00	0.00	0.00
2400.00	20.67	266.23	2293.37	-40.53	-614.48	615.81	0.00	0.00	0.00	0.00
2500.00	20.67	266.23	2386.93	-42.86	-649.70	651.11	0.00	0.00	0.00	0.00
2600.00	20.67	266.23	2480.49	-45.18	-684.93	686.42	0.00	0.00	0.00	0.00
2700.00	20.67	266.23	2574.05	-47.51	-720.15	721.72	0.00	0.00	0.00	0.00
2800.00	20.67	266.23	2667.62	-49.83	-755.38	757.02	0.00	0.00	0.00	0.00
2900.00	20.67	266.23	2761.18	-52.15	-790.60	792.32	0.00	0.00	0.00	0.00
3000.00	20.67	266.23	2854.74	-54.48	-825.83	827.62	0.00	0.00	0.00	0.00
3100.00	20.67	266.23	2948.30	-56.80	-861.05	862.92	0.00	0.00	0.00	0.00
3200.00	20.67	266.23	3041.86	-59.12	-896.28	898.22	0.00	0.00	0.00	0.00
3300.00	20.67	266.23	3135.43	-61.45	-931.50	933.53	0.00	0.00	0.00	0.00
3372.22	20.67	266.23	3203.00	-63.12	-956.94	959.02	0.00	0.00	0.00	0.00
3400.00	20.67	266.23	3228.99	-63.77	-966.73	968.83	0.00	0.00	0.00	0.00
3500.00	20.67	266.23	3322.55	-66.09	-1001.95	1004.13	0.00	0.00	0.00	0.00
3534.68	20.67	266.23	3355.00	-66.90	-1014.17	1016.37	0.00	0.00	0.00	0.00
3600.00	20.67	266.23	3416.11	-68.42	-1037.18	1039.43	0.00	0.00	0.00	0.00
3700.00	20.67	266.23	3509.67	-70.74	-1072.40	1074.73	0.00	0.00	0.00	0.00
3800.00	20.67	266.23	3603.23	-73.06	-1107.63	1110.03	0.00	0.00	0.00	0.00
3837.16	20.67	266.23	3638.00	-73.93	-1120.71	1123.15	0.00	0.00	0.00	0.00
3900.00	20.67	266.23	3696.80	-75.39	-1142.85	1145.33	0.00	0.00	0.00	0.00
4000.00	20.67	266.23	3790.36	-77.71	-1178.08	1180.64	0.00	0.00	0.00	0.00
4056.26	20.67	266.23	3843.00	-79.02	-1197.89	1200.50	0.00	0.00	0.00	0.00
4100.00	20.67	266.23	3883.92	-80.04	-1213.30	1215.94	0.00	0.00	0.00	0.00
4200.00	20.67	266.23	3977.48	-82.36	-1248.52	1251.24	0.00	0.00	0.00	0.00
4227.27	20.67	266.23	4003.00	-82.99	-1258.13	1260.87	0.00	0.00	0.00	0.00
4300.00	20.67	266.23	4071.04	-84.68	-1283.75	1286.54	0.00	0.00	0.00	0.00
4400.00	20.67	266.23	4164.61	-87.01	-1318.97	1321.84	0.00	0.00	0.00	0.00
4472.03	20.67	266.23	4232.00	-88.68	-1344.35	1347.27	0.00	0.00	0.00	0.00
4500.00	20.67	266.23	4258.17	-89.33	-1354.20	1357.14	0.00	0.00	0.00	0.00
4600.00	20.67	266.23	4351.73	-91.65	-1389.42	1392.44	0.00	0.00	0.00	0.00
4660.51	20.67	266.23	4408.34	-93.06	-1410.74	1413.81	0.00	0.00	0.00	0.00

Section 4 : Start Drop -4.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4700.00	19.09	266.23	4445.48	-93.94	-1424.14	1427.23	4.00	-4.00	0.00	180.00
4800.00	15.09	266.23	4541.04	-95.88	-1453.46	1456.62	4.00	-4.00	0.00	180.00
4900.00	11.09	266.23	4638.42	-97.37	-1476.06	1479.27	4.00	-4.00	0.00	180.00
5000.00	7.09	266.23	4737.15	-98.41	-1491.82	1495.07	4.00	-4.00	0.00	180.00
5027.03	6.01	266.23	4764.00	-98.61	-1494.90	1498.15	4.00	-4.00	0.00	-180.00
5100.00	3.09	266.23	4836.73	-98.99	-1500.68	1503.94	4.00	-4.00	0.00	180.00
5177.31	0.00	0.00	4914.00	-99.13	-1502.76	1506.03	4.00	-4.00	0.00	180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5200.00	0.00	0.00	4936.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5300.00	0.00	0.00	5036.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00
5400.00	0.00	0.00	5136.69	-99.13	-1502.76	1506.03	0.00	0.00	0.00	0.00

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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-138
Revised March 17, 1999Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator: Conoco Phillips 5. Originating Site: San Juan 31 Federal 3 #1A
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Sec 3; T 31N; R 9W San Juan County	Project #96052-640
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:

Accept approximately 8 cy soil and oil from around compressor from cleaning of location. RCRA metals testing completed 8/25/06 revealed the following levels: Arsenic 0.046 mg/Kg; Barium 8.84 mg/Kg; Cadmium 0.030 mg/Kg; Chromium 0.085 mg/Kg; Lead 0.159 mg/Kg; Mercury nondetect; Selenium nondetect; Silver nondetect.

CWS and analyticals attached

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE

Denny Foust
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 09/13/06

TYPE OR PRINT NAME:

Denny Foust

TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY:	TITLE:	DATE:
APPROVED BY:	TITLE:	DATE:

Other Conditions Required:

Yes _____

No X

Date: 03/04/06

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): San Juan 31 Federal 3 #1A API# 30-045-32419 hCOP	Location of the Waste (Street address &/or ULSTR): S- 03 T- 31N R- 09W San Juan County, New Mexico Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Oil and dirt from around compressor from cleaning of location. Approx. 8 cubic yards.	
5. WO 4117659	

I, Gregg Wurtz representative for:
Print Name

Conoco Phillips 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): Gregg Wurtz

Title: Env. Rep

Date: 9/13/06

The drilling should be accomplished in the fall of the year.

First seeding shall be done within six (6) months of completion of well pad and access road. Periodic checks will be made of the seeded area. If, within one year, no visible strands are observed, reseeding will be required. Contact will be made with the Ute Mountain Ute Agency, when the company is ready to begin reclamation activities.

Operator is responsible for controlling and eradicating noxious weeds at the well pad and surrounding area during the term of the lease. A list of noxious weeds is available from the Montezuma County Weed Control program at (970) 565-0580.

27. No fluids (i.e., diesel, motor oil, water, etc.) will be disposed of on the Ute Mountain Ute Reservation, except as otherwise specifically authorized.
28. Access roads and well pads will be maintained in accordance with generally acceptable standards for repair, orderliness, neatness, sanitation, and safety.
29. All personnel, vehicles, and equipment will be confined to the access roads and well pads.
30. Ample notification shall be given to the BIA, (970) 565-6094 when construction will hamper ingress and egress to Tribal lands.
31. All spills, fires, accidents or any other unusual occurrence shall be promptly reported to the BIA, Branch of Realty and Natural Resources at (970) 565-6094.
32. Construction, drilling, and production of the proposed gas well will be monitored by BLM, Tribal and/or BIA representatives.
33. Special stipulations will be issued whenever conditions warrant requirement outside the General Well Site Stipulations.
34. All Companies shall give the BIA, Branch of Realty and Natural Resources advance notice at least 48 hours before construction is to begin.
35. All **COMPANIES AND THEIR SUBCONTRACTOR** working/operating within the Ute Mountain Ute Reservation boundaries shall have a permit issued by the Tribal Energy Office.
36. All locations constructed but not drilled will be reclaimed and an additional payment of \$5,000 to the Tribe will be made.

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****TRACE METAL ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-026-264
Sample ID:	Compressor Skid	Date Reported:	08-25-06
Laboratory Number:	38286	Date Sampled:	08-23-06
Chain of Custody:	1373	Date Received:	08-24-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	N/A	Date Digested:	08-24-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.046	0.001	5.0
Barium	8.84	0.001	100
Cadmium	0.030	0.001	1.0
Chromium	0.085	0.001	5.0
Lead	0.159	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

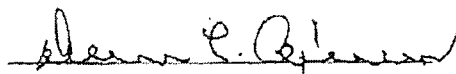
ND - Parameter not detected at the stated detection limit.

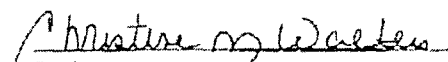
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1995.

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

Comments: SJ 31 Fed 3 #1A


Analyst


Review

15. Water, mud, and drilling fluids will not be transferred to other gas well locations or reserve pits without prior approval. Compliance checks will be made by BLM, Ute Mountain Ute Tribe and/or BIA personnel.
16. All topsoil will be stockpiled neatly for reclamation purposes. Topsoil will be tested for fertility prior to reclaiming the site to ensure it is capable of supporting a stand of native grasses and shrubs. Company will do the necessary fertilizing to certify it will support vegetation successfully. Successful support of vegetation shall be defined as the capability to support a plant community comparable to the surrounding lands which have not been disturbed by oil and gas activities.
17. Topsoil will not be piled against trees or deposited in natural drainages.
18. All fences and gates that are torn down or removed will be repaired or rebuilt within seven (7) days after the drilling rig leaves.
19. Culverts will be installed in areas where needed or required.
20. Culverts or cattle guards will not be removed unless authorized. All culverts or cattle guards shall be maintained at all times.
21. Trash pits will be wired in and trash disposed of at an approved landfill within seven (7) days after the gas well has been completed.
22. No trash shall be disposed of in the reserve pit.
23. Trash shall not be burned.
24. All materials, trash, junk, etc., not required for production shall be removed from the well site within (7) days after the completion rig leaves the location.
25. Misters on boogie lines shall be used when drilling with air or gas. Operators shall be responsible for cleaning dust off of vegetation if required by BIA, Branch of Natural Resources (NRO). Contact NRO at (970) 565-4838 for authorization of cleaning procedures. Additional surface damage compensation and reclamation may be required.
26. Upon completion of the well pad and access road, disturbed areas will be recontoured and a rangeland drill will be used to drill the following mixture of seed:
 - a. Western Wheat grass at seven (7) pounds of pure live seed per acre, and
 - b. Blue Grama at three (3) pounds of pure live seed per acre, and
 - c. Indian Rice grass at six (6) pounds of pure live seed per acre.

ENVIROTECH LABS**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****TRACE METAL ANALYSIS**
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-25 TM QA/QC	Date Reported:	08-25-06
Laboratory Number:	28286	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-25-06
Condition:	N/A	Date Digested:	08-24-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.046	0.048	4.3%	0% - 30%
Barium	ND	ND	0.001	8.84	8.83	0.1%	0% - 30%
Cadmium	ND	ND	0.001	0.030	0.031	3.3%	0% - 30%
Chromium	ND	ND	0.001	0.085	0.087	2.4%	0% - 30%
Lead	ND	ND	0.001	0.159	0.164	3.1%	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%

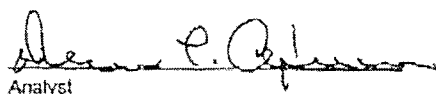
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.046	0.545	99.8%	80% - 120%
Barium	0.500	8.84	9.33	99.9%	80% - 120%
Cadmium	0.500	0.030	0.529	99.8%	80% - 120%
Chromium	0.500	0.085	0.584	99.8%	80% - 120%
Lead	0.500	0.159	0.656	99.5%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	30% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

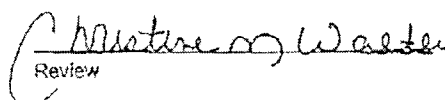
ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for Sample 38286


Analyst


Review

- c. All sound woody material, including deadwood, from pinyon pine, juniper, and gamble oak which is at least three (3) inches in diameter and two (2) feet in length will be salvaged during clearing activities.
 - d. All mature trees suitable for posts shall be cut into seven (7) foot lengths, and all other salvaged forest products will be cut into two (2) foot lengths, limbed and hauled to the Tribal woodlot located west of the Gym in Towaoc, Monday through Friday, between the hours of 8:00 A.M. and 4:30 P.M., except on holidays. All wood shall be hauled prior to the arrival of the drilling rig. Company and project name shall be given to woodlot personnel at the time of delivery. BIA, Branch of Natural Resources (970) 565-4838 shall be notified when forest products are to be hauled to Towaoc so arrangements can be made.
 - e. Debris (slash) from forest products, which includes brush, limbs, and wood products which do not meet the minimum size, will be chipped with a wood chipper and scattered around the location within seven (7) days after completion of construction. Stumps shall be stockpiled and disposed of in the reserve pit when it is being reclaimed.
- 8. The reserve and water pits will be lined with sufficient reinforced liner to prevent leakage.
 - 9. The reserve and water pits shall be fenced on three sides prior to the arrival of the drilling rig. The fourth side will be fenced immediately after the rig leaves the location. This fence shall be maintained until the pits are reclaimed.
 - 10. The reserve pits will be allowed fifteen (15) months for evaporation. The 15 month period shall begin on the spud date. Any fluids remaining after 15 months shall be disposed of in a manner consistent with Federal Regulations. The pits will then be filled with dirt material, leveled, and reclaimed.
 - 11. Reserve pits with torn liners shall immediately be reclaimed.
 - 12. Neither burn pits nor blow pits shall be used for storage or disposal of fluids.
 - 13. The reserve pit shall have a minimum of four (4) feet of freeboard at all times. Freeboard shall be measured from the top of the pit liner to the surface of the water in the reserve pit.
 - 14. If a well is abandoned or suspended, all pits must be immediately fenced until they are backfilled. No pits shall be left open for longer than fifteen (15) months.

CHAIN OF CUSTODY RECORD

1373

Client / Project Name ConocoPhillips			Project Location SJ 31 Fed 3 #1A		ANALYSIS / PARAMETERS							
Sampler: Mike Morris			Client No. 96052-026-264		No. of Containers 1	PCRA ✓						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Compressor skid	8/23/06	1510	38286	Soil								
Relinquished by: (Signature) <i>[Signature]</i>			Date 8/24/06	Time 900	Received by: (Signature) <i>Christie M. Walker</i>			Date 8/24/06	Time 900			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
Ed Hesley / April					ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615					Sample Receipt		
											Y	N
					Received Intact							
					Cool - Ice/Blue Ice							

6 / 6
1373-001071024M1

**Bureau of Indian Affairs
Ute Mountain Ute Agency
General Well Site Stipulations**

COMPANY: XTO Energy Inc. Date: 04/03/06

WELL NAME: Ute Indians B Number 1

LOCATION: T.32N., R14W., Section 13

1. A preliminary on-site review of well pads and access roads by Tribal, BIA, BLM, and archaeological representatives is required.
2. All surface disturbances shall be confined to the 13 point surface use plan submitted with the Application for Permit to Drill. All land-altering activity outside the surface use plan will require permission by the Bureau of Indian Affairs.
3. **All activity shall be confined to the areas surveyed for cultural resources. If subterranean cultural resources are encountered, all land-altering activities shall be halted and the following shall be notified immediately:**

BIA Ute Mountain Ute Agency (970) 565-6094
BIA Area Archaeologist (505) 563-3407

4. The well pad shall be properly identified with a readable sign, which shall include:

Company Name: XTO Energy, Inc.
Well Name: Ute Indians B Number 1
Legal Description: T.32N., R14, Section 13
Lease Number: 751-01-1018

5. Construction of the gas well pad and/or access road shall come to a halt during inclement weather to prevent soil damage or destruction.
6. No hillside cuts shall be constructed steeper than a 2:1 slope.
7.
 - a. The cleared area is to be kept to the minimum necessary for drilling operations.
 - b. Chainsaws shall be used to cut trees. Bulldozers or other heavy equipment shall not be used to clear areas.

TRANSACTION REPORT

P. 01

SEP-14-2006 THU 08:53 AM

FOR:

RECEIVE

DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
SEP-14	08:51 AM		1'21"	6	RECEIVE	OK		

67+38	Culvert	Protective fencing and avoid		
65+15 to 70+71	Ephemeral wash to So	Silt fence, or other effective soil retention device to keep fill out of drainage		X
73+42.48	LWC/culv	As needed	X	X
74+85.02	Pad	Move 35' north. Use steel self contained Reserve Pit with berms to retain 1:10%. Erosion controls as fabric on cut/fill slopes. Excelsior logs at base and top of cut/fill slopes. Trench uphill side of cut slopes and divert to grade for stormwater.		

:\winnt\profiles\dswanson\personal\EA_Mitigations.wpd

ENVIROTECH INC.**FAX COVER SHEET****" PRACTICAL SOLUTIONS FOR A BETTER TOMORROW "**

TO: Brad Jones TITLE: Dirty dirt guru
COMPANY: NMOCDS
FAX: 505-476-3462 PHONE: _____
RE: verbal approval request
DATE: 9/14/06
PAGES: 6 (INCLUDING COVER PAGE)
PROJECT: _____
CC: _____
COMMENTS:

*Please call me at 632-0615
with approval
Thanks!*

FROM THE DESK OF: April
Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Phone: (505) 632-0615 / Fax: (505) 632-1865

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.

shall include that all equipment and trash be removed, slash piles chipped and scattered, pits and boreholes shall be filled, access road and pad surface re-contoured to blend with surrounding terrain as closely as possible approximating original landscape, top soil evenly redistributed, soil prepared, weed control exercised, and soil reseeded with a BIA approved seed mix which shall be monitored for growth. The Bureau of Land Management, SJPLC (970.385.1370) shall be notified at least 48 hours prior to commencement of surface reclamation. The BIA (970.565-6094) shall be contacted prior to surface reclamation procedures for specific requirements and seed mixtures.

Approx Sta.	Feature	Actions reqd	CWA #404 NWP #12	CWA #404 NWP #14	CWA #404 NWP #18
40+00	20' LWC	Excavate 1-m' Armor with min 4" pit/run cobbles, 100' armored approaches	X	X	
43+50	10' LWC	Rip-rap rock	X	X	
45+00	LWC	Rip-rap rock	X	X	
48+00	LWC	Rip-rap rock	X	X	
50+00	LWC	Rip-rap rock	X	X	
51+00	LWC	Rip-rap rock	X	X	
51+75 to 55+59		Round corner from 2-track			
57+67-10	LWC	Rip-rap rock	X	X	
57+17.8	Culvert	Rd should hug east side of 2-track rd to avoid site 20' west			
60+00	LWC	Rip-rap rock	X	X	
60+15.4	Culvert	Move rd to east side of 2-track. Fence and avoid site			
61+2.1	Culvert	Remove rd to allow roadway instead of stacking as separate rd.			
63+00	LWC	Rip-rap rock	X	X	
63+19	Culvert	Move rd to east side of 2-track. Fence and avoid site			
63+29	LWC	Rip-rap rock			
64+49.86	Culvert	Adequate (Min 24" dia x 40' long) culvert to allow sweeping curve in rd. Adequately rip rap or conc headwall to armor entrance and spillway of culv. at grade.	X	X	X

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Halliburton Energy Services 5. Originating Site: Wash Bay
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Envirotech
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or U.S. STR): 4109 E. Main Street, Farmington	Project #92132-001
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 grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 10/7/04 attached.

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

SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: March 28, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Env. Eng.</u>	DATE: <u>Feb 14</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

APPENDIX G

EMPLOYEE SIGNOFF SHEET

I have read the To XTO Energy, Inc. **Emergency Response Plan/Public Protection Plan** and understand its contents. I understand my personal responsibilities under this policy and will make use of this information to contribute to safety of the public and for my own personal safety while an employee of XTO Energy, Inc.

Signed

Date _____

[illegible]

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Service 4109 E. Main Street Farmington, New Mexico 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton, 4109 E. Main, Farmington	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste Washbay grit from 2 bays that have been dried in a drying bed.	

Merle D. Krause III

representative for:

Print Name

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): _____

Title: Material Control Supervisor

Phone Number: (505) 324-3551

Date: March 28, 2006

REACTIVE: No
SUDDEN RELEASE: Yes

SARA TITLE III SECTION 313 (40 CFR 372.65):
HYDROGEN SULFIDE: Administrative stay issued Aug. 22, 1994

OSHA PROCESS SAFETY (29CFR1910.119):
HYDROGEN SULFIDE: 1500 LBS TQ

STATE REGULATIONS:
California Proposition 65: Not regulated.

CANADIAN REGULATIONS:
WHMIS CLASSIFICATION: A, B1, D1A, D2B.

NATIONAL INVENTORY STATUS:
U.S. INVENTORY (TSCA): Listed on inventory.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDL): Listed on inventory.

SECTION 16 OTHER INFORMATION

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PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 23707

DATE 3-28-06

JOB # 92132-001

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME MIKE HOY

COMPANY ENVIROTECH

SIGNATURE *Mark Hays*

DATE 3-28-06

RECEIVED

ECOTOXICITY DATA:**FISH TOXICITY:** 14.9 ug/L 96 hour(s) LC50 (Mortality) Fathead minnow (*Pimephales promelas*)**INVERTEBRATE TOXICITY:** 9730 ug/L 1.5 hour(s) (Mortality) Mediterranean mussel (*Mytilus galloprovincialis*)**ENVIRONMENTAL SUMMARY:** Highly toxic to aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): U135.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:**PROPER SHIPPING NAME:** Hydrogen sulfide**ID NUMBER:** UN1053**HAZARD CLASS OR DIVISION:** 2.3**LABELING REQUIREMENTS:** 2.3; 2.1**QUANTITY LIMITATIONS:****PASSENGER AIRCRAFT OR RAILCAR:** Forbidden**CARGO AIRCRAFT ONLY:** Forbidden**ADDITIONAL SHIPPING DESCRIPTION:** Toxic-Inhalation Hazard Zone B**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:****SHIPPING NAME:** Hydrogen sulphide**UN NUMBER:** UN1053**CLASS:** 2.3; 2.1

SECTION 15 REGULATORY INFORMATION

U.S. REGULATIONS:**CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):****HYDROGEN SULFIDE:** 100 LBS RQ**SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):****HYDROGEN SULFIDE:** 500 LBS TPQ**SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):****HYDROGEN SULFIDE:** 100 LBS RQ**SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):****ACUTE:** Yes**CHRONIC:** No**FIRE:** Yes

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 24560

DATE 3/29/06 JOB # 92132-001

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"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Jim Schwarz COMPANY ENVIVOTECH SIGNATURE [Signature]

DATE 3/28/06

VAPOR DENSITY (air=1): 1.2

SPECIFIC GRAVITY (water=1): 1.192

DENSITY: 1.539 g/L @ 0 C

WATER SOLUBILITY: 2.58-2.9% @ 20 C

PH: 4.5-

VOLATILITY: Not applicable

ODOR THRESHOLD: 0.13 ppm

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable

SOLVENT SOLUBILITY:

Soluble: carbon disulfide, alcohol, ether, glycerol, gasolines, kerosene, crude oil, alkali solutions

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Minimize contact with material. Avoid inhalation of material or combustion by-products. Keep out of water supplies and sewers.

INCOMPATIBILITIES: combustible materials, metals, oxidizing materials, halogens, metal oxides, metal salts, bases

HAZARDOUS DECOMPOSITION:

Thermal decomposition products: oxides of sulfur

POLYMERIZATION: Will not polymerize.

SECTION 11 TOXICOLOGICAL INFORMATION

HYDROGEN SULFIDE:

TOXICITY DATA:

444 ppm inhalation-rat LC50

LOCAL EFFECTS:

Irritant: inhalation, skin, eye

ACUTE TOXICITY LEVEL:

Toxic: inhalation

TARGET ORGANS: blood

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: eye disorders, respiratory disorders, nervous system disorders

REPRODUCTIVE EFFECTS DATA: Available.

ADDITIONAL DATA: Alcohol may enhance the toxic effects.

SECTION 12 ECOLOGICAL INFORMATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR THE ENVIRONMENT

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

EXPOSURE LIMITS:**HYDROGEN SULFIDE:**

20 ppm OSHA ceiling
50 ppm OSHA peak 10 minute(s) (once if no other measurable exposure occurs)
10 ppm (14 mg/m³) OSHA TWA (vacated by 58 FR 35338, June 30, 1993)
15 ppm (21 mg/m³) OSHA STEL (vacated by 58 FR 35338, June 30, 1993)
10 ppm ACGIH TWA
15 ppm ACGIH STEL
10 ppm (15 mg/m³) NIOSH recommended ceiling 10 minute(s)

VENTILATION: Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES: butyl rubber, polyvinyl chloride (PVC), neoprene

RESPIRATOR: The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA.

100 ppm

Any powered, air-purifying respirator with cartridge(s) providing protection against this substance.
Any air-purifying respirator with a full facepiece and a canister providing protection against this substance.
Any supplied-air respirator.
Any self-contained breathing apparatus with a full facepiece.

Escape -

Any air-purifying respirator with a full facepiece and a canister providing protection against this substance.
Any appropriate escape-type, self-contained breathing apparatus.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.
Any self-contained breathing apparatus with a full facepiece.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: gas

COLOR: colorless

ODOR: rotten egg odor

MOLECULAR WEIGHT: 34.08

MOLECULAR FORMULA: H₂S

BOILING POINT: -78 to -77 F (-61 to -60.3 C)

FREEZING POINT: -123 F (-86 C)

VAPOR PRESSURE: 15200 mmHg @ 25 C

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR WATER POLLUTION CONTROL

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-12-04
Laboratory Number:	10-11-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-11-04
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.

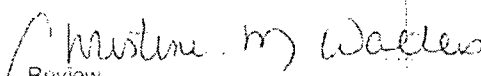
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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 30895.


Analyst


Review

to extinguish fire unless flow of material can be stopped first. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Cool containers with water. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Stop flow of gas.

LOWER FLAMMABLE LIMIT: 4.0-4.3%

UPPER FLAMMABLE LIMIT: 44-46%

AUTOIGNITION: 500 F (260 C)

SECTION 6 ACCIDENTAL RELEASE MEASURES

AIR RELEASE:

Reduce vapors with water spray. Collect runoff for disposal as potential hazardous waste.

SOIL RELEASE:

Dike for later disposal. Absorb with sand or other non-combustible material. Add an alkaline material (lime, crushed limestone, sodium bicarbonate, or soda ash).

WATER RELEASE:

Add an alkaline material (lime, crushed limestone, sodium bicarbonate, or soda ash).

OCCUPATIONAL RELEASE:

Do not touch spilled material. Stop leak if possible without personal risk. Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Reduce vapors with water spray. Do not get water directly on material. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Ventilate closed spaces before entering. Evacuation radius: 150 feet. For tank, rail car or tank truck: 800 meters (1/2 mile). Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

SECTION 7 HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Protect from physical damage. Store outside or in a detached building. Store in a cool, dry place. Store in a well-ventilated area. Avoid contact with light. Grounding and bonding required. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Notify State Emergency Response Commission for storage or use at amounts greater than or equal to the TPQ (U.S. EPA SARA Section 302). SARA Section 303 requires facilities storing a material with a TPQ to participate in local emergency response planning (U.S. EPA 40 CFR 355.30). Keep separated from incompatible substances.

HANDLING: Subject to handling regulations: U.S. OSHA 29 CFR 1910.119.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

ENVIROTECH LABS

Practical Solutions for Environmental Problems

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-12-04
Laboratory Number:	10-08-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-11-04
Condition:	N/A	Date Extracted:	10-08-04
		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.

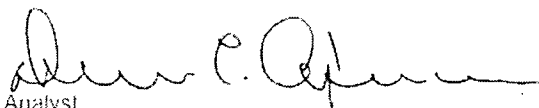
QA/QC Acceptance Criteria

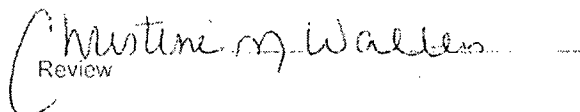
Parameter	Percent Recovery
Fluorobenzene	99%
1,4-difluorobenzene	98%
4-bromochlorobenzene	98%

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 30895.


Analyst


Review

suffocation, lung congestion, internal bleeding, heart damage, nerve damage, brain damage, coma, death
LONG TERM EXPOSURE: allergic reactions, nausea, vomiting, loss of appetite, weight loss, irregular heartbeat, headache, sleep disturbances, emotional disturbances, lung congestion, nerve damage

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation

LONG TERM EXPOSURE: skin disorders

EYE CONTACT:

SHORT TERM EXPOSURE: irritation, sensitivity to light, visual disturbances

LONG TERM EXPOSURE: irritation, sensitivity to light, eye damage

INGESTION:

SHORT TERM EXPOSURE: ingestion of harmful amounts is unlikely

LONG TERM EXPOSURE: ingestion of harmful amounts is unlikely

SECTION 4 FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

SKIN CONTACT: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

INGESTION: If a large amount is swallowed, get medical attention.

ANTIDOTE: amyl nitrite, inhalation; sodium nitrite, intravenous; pyridoxine, intravenous; urea, intravenous. **CAUTION!** Get medical attention immediately.

NOTE TO PHYSICIAN: For inhalation, consider oxygen.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Severe fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Pressurized containers may rupture or explode if exposed to sufficient heat. Electrostatic discharges may be generated by flow or agitation resulting in ignition or explosion.

EXTINGUISHING MEDIA: Let burn unless leak can be stopped immediately. Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING: Move container from fire area if it can be done without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Cool containers with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry. For tank, rail car or tank truck, evacuation radius: Evacuation radius: 800 meters (1/2 mile). Do not attempt

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR LABORATORY AND FIELD USE

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

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 30895
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

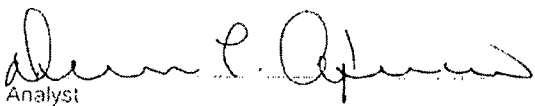
Project #: N/A
Date Reported: 10-12-04
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-11-04
Date Extracted: 10-08-04

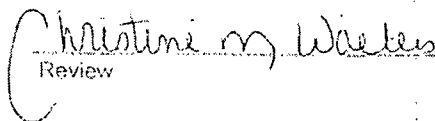
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0037	0.0037	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0012	0.0012	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 30895.


Analyst


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MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATHESON TRI-GAS, INC.
959 ROUTE 46 EAST
PARSIPPANY, NEW JERSEY 07054-0624

EMERGENCY CONTACT:
CHEMTREC 1-800-424-9300
INFORMATION CONTACT:
973-257-1100

SUBSTANCE: HYDROGEN SULFIDE

TRADE NAMES/SYNONYMS:

MTG MSDS 54; HYDROGEN SULFIDE (H₂S); DIHYDROGEN MONOSULFIDE; DIHYDROGEN SULFIDE; HYDROSULFURIC ACID; SULFUR DIHYDRIDE; SULFURETED HYDROGEN; SULFUR HYDRIDE; STINK DAMP; SEWER GAS; RCRA U135; UN 1053; H₂S; MAT11210; RTECS MX1225000

CHEMICAL FAMILY: inorganic, gas

CREATION DATE: Jan 24 1989

REVISION DATE: Mar 19 2003

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: HYDROGEN SULFIDE
CAS NUMBER: 7783-06-4
PERCENTAGE: 100.0

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=4 FIRE=4 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: colorless

PHYSICAL FORM: gas

ODOR: rotten egg odor

MAJOR HEALTH HAZARDS: harmful if inhaled, respiratory tract irritation, skin irritation, eye irritation, blood damage

PHYSICAL HAZARDS: Flammable gas. May cause flash fire. Flash back hazard. Electrostatic charges may be generated by flow, agitation, etc.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: irritation, lack of sense of smell, sensitivity to light, nausea, vomiting, difficulty breathing, headache, drowsiness, dizziness, disorientation, tremors, visual disturbances,



ENVIROTECH LABS

ANALYTICAL CHEMISTRY • ENVIRONMENTAL TOXICOLOGY • WATER ANALYSIS • SOIL ANALYSIS • AIR ANALYSIS • METALS ANALYSIS • MICROBIOLOGY

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

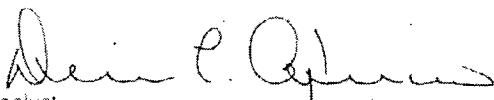
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-12-04
Laboratory Number:	30895	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-04
Condition:	N/A	Date Extracted:	10-08-04

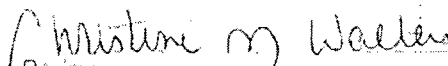
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0499	0.0001	99.8%	28-163
1,1-Dichloroethene	ND	0.050	0.0498	0.0001	99.6%	43-143
2-Butanone (MEK)	0.0037	0.050	0.0535	0.0001	99.6%	47-132
Chloroform	ND	0.050	0.0499	0.0001	99.7%	49-133
Carbon Tetrachloride	ND	0.050	0.0499	0.0001	99.8%	43-143
Benzene	0.0012	0.050	0.0510	0.0001	99.6%	39-150
1,2-Dichloroethane	ND	0.050	0.0498	0.0001	99.6%	51-147
Trichloroethene	ND	0.050	0.0497	0.0003	99.4%	35-146
Tetrachloroethene	ND	0.050	0.0498	0.0005	99.6%	26-162
Chlorobenzene	ND	0.050	0.0499	0.0003	99.8%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0497	0.0002	99.4%	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 30895.


Analyst


Review

APPENDIX F
HYDROGEN SULFIDE MSDS

ENVIROTECH LABS

ANALYTICAL SOLUTIONS FOR WATER & SOILS

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-12-04
Laboratory Number:	10-12-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-12-04
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results

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.

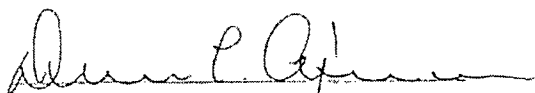
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

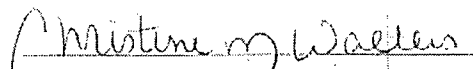
Note:

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

Comments:

QA/QC for sample 30895.


Analyst


Review

Pasquill-Gifford Equations

Hydrogen Sulfide Radius of Exposure

Pasquill-Gifford Equation*

Texas Railroad Commission Rule 36, 16 TAC 3.36

[Patterned Box] = Data Entry Cells

Mole Fraction of Hydrogen Sulfide in the Gaseous Mixture available for escape =

[Patterned Box] Mol. Frac. Hydrogen Sulfide

Maximum Volume Available for Escape in Ft³/Day (Cubic Feet Per Day) =[Patterned Box] Ft³/Day Maximum Rate**100 PPM Radius of Exposure**

Radius of Exposure in Feet =

155 Feet

500 PPM Radius of Exposure

Radius of Exposure in Feet =

71 Feet

$$100 \text{ PPM Radius of Exposure in Feet} = [(1.589)(\text{H}_2\text{S Mol\%})(\text{Gas Rate Ft}^3/\text{Day})]^{0.6258}$$

$$500 \text{ PPM Radius of Exposure in Feet} = [(0.4546)(\text{H}_2\text{S Mol\%})(\text{Gas Rate Ft}^3/\text{Day})]^{0.6258}$$

ENVIROTECH LABS

Practical Solutions for Environmental Problems

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-12-04
Laboratory Number:	10-08-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-08-04
Condition:	Cool & Intact	Date Analyzed:	10-12-04
		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.

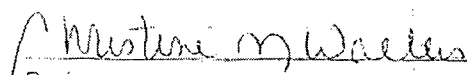
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 30895.


Analyst


Review

APPENDIX E
H₂S RADIUS OF EXPOSURE MAP

ENVIROTECH LABS

Practical Solutions for Environmental Monitoring

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-12-04
Laboratory Number:	30895	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-08-04
Condition:	Cool & Intact	Date Analyzed:	10-12-04
		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.

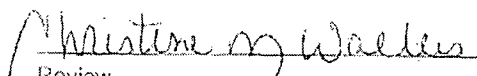
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 30895.


Analyst


Review

APPENDIX D
H2S RADIUS OF EXPOSURE

100 ppm @ 155'

500 ppm @ 71'

ENVIROTECH LABS

PHARMACEUTICAL SOLUTIONS FOR WATER TREATMENT

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:	10-12-04
Laboratory Number:	10-12-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-08-04
Condition:	N/A	Date Analyzed:	10-12-04
		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.

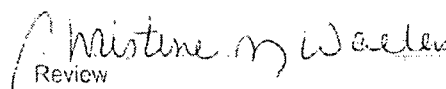
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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.

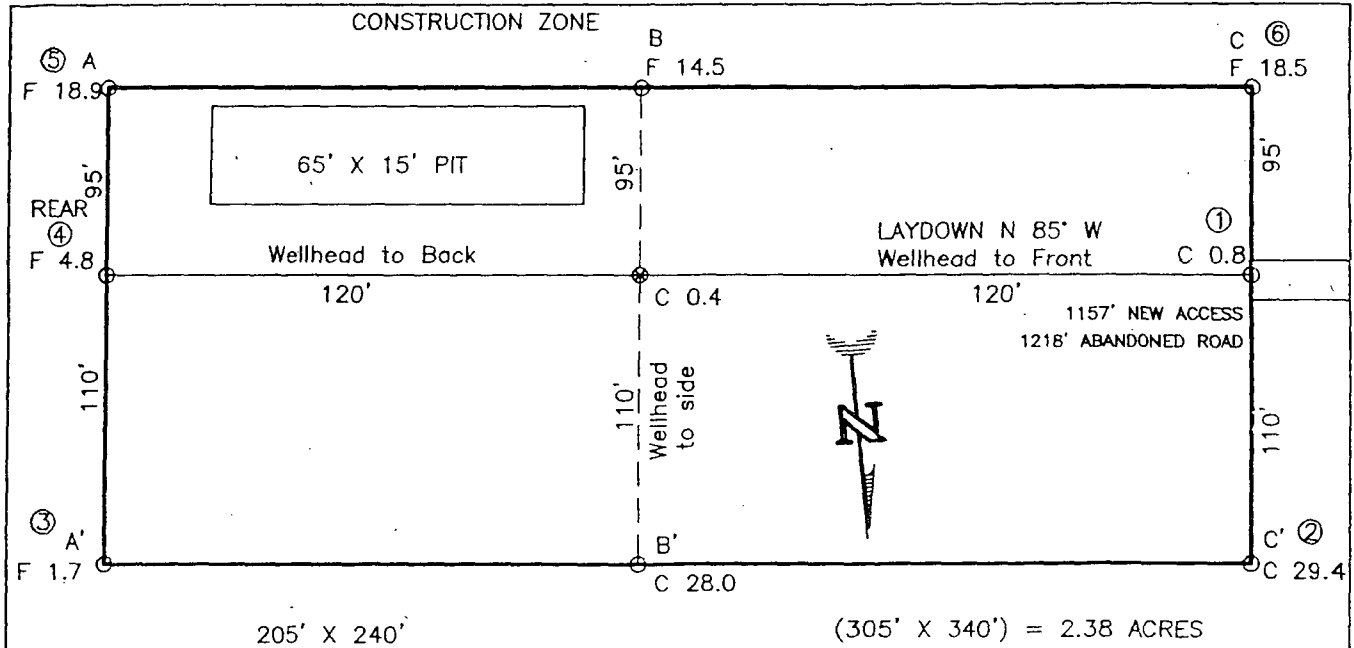
Comments: QA/QC for sample 30895.


Analyst


Review

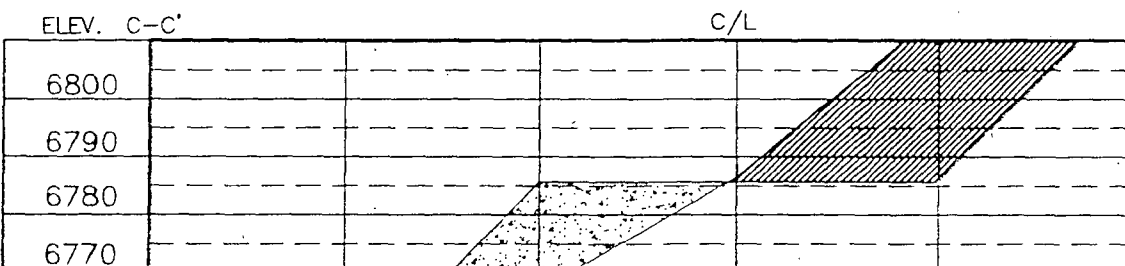
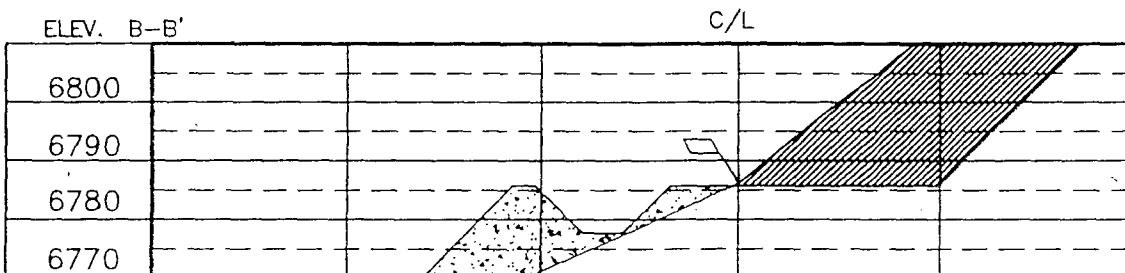
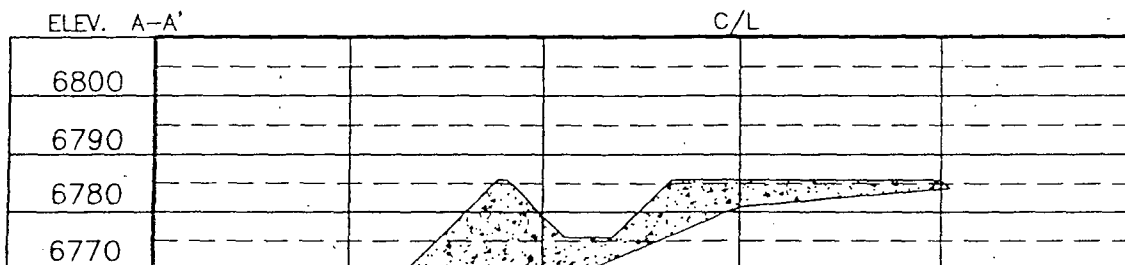
XTO ENERGY INC.
 UTE INDIANS B No. 1, 825 FNL 880 FWL
 SECTION 13, T32N, R14W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 6786', DATE: APRIL 28, 2004

LAT. = 36°59'35" N.
 LONG. = 108°15'56" W
 NAD 27



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVISED BY:
Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-8019 NEW MEXICO L.S. No. 14831 DRAFT: CR251C/FB DATE: 10/14/04		

ENVIROTECH LABS

1277 CHIEF OF MOUNTAIN DRIVE, FARMINGTON, NM 87401 • TEL 505 • 632 • 0615 • FAX 505 • 632 • 1865

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:	10-12-04
Laboratory Number:	10-08-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-08-04
Condition:	Cool and Intact	Date Analyzed:	10-12-04
		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.

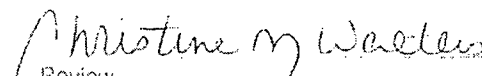
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	94%

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 30895.


Analyst


Review

APPENDIX D
H₂S RADIUS OF EXPOSURE

325

ENVIROTECH LABS

ANALYTICAL SOLUTIONS FOR THE ENVIRONMENT

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:	10-12-04
Laboratory Number:	30895	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-08-04
Condition:	N/A	Date Analyzed:	10-12-04
		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

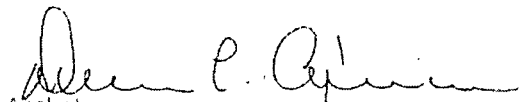
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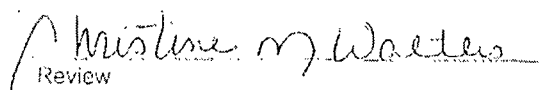
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 30895.


Analyst


Review

APPENDIX C
EMERGENCY CONTACT LIST

EPA 24-Hour Spill Notification Number	303-293-1788
Department of Transportation National Response Center	800-424-8802

Medical Personnel:

Ambulance	911
Hospital	505-325-5011
Life Flight	800-452-9990

Firefighting & Public Safety Personnel:

Fire Department	505-326-3505
Police Department	505-334-6622
County Sheriff	505-334-6622
State Patrol	505-325-7547

Government Agencies:

County Health Department	505-334-9481
BLM Office	505-599-8900

Rig Personnel:

Gary Markestad, Operations Superintendent	505-324-1090
Dennis Elrod, Company Man	505-324-1090
Jeff Patton, Drilling Superintendent	505-324-1090
Dale Brady, Tool Pusher	505-327-5218

Service Companies:

Pump Trucks: TBA	
Dirt Contactor: TBA	
H2S Safety Company: Jacobs Engineering	970-564-1103
Al Lara, Safety Supervisor	970-564-1103

Emergency calls should dial **911**.

Note: If 911 is unavailable, call the applicable County Sheriff Dispatch number.

ENVIROTECH LABS

TECHNICAL SOLUTIONS FOR THE ENVIRONMENT

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

Client:	N/A	Project #:	N/A
Sample ID:	10-11-TCM QA/QC	Date Reported:	10-11-04
Laboratory Number:	30884	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	10-11-04
Condition:	N/A	Date Extracted:	10-08-04

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Barium	ND	ND	0.001	0.061	0.060	1.6%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.002	0.002	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/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.002	0.501	99.8%	80% - 120%
Barium	0.500	0.061	0.560	99.8%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.002	0.502	100.0%	80% - 120%
Lead	0.500	0.003	0.502	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.001	0.500	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

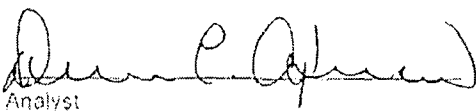
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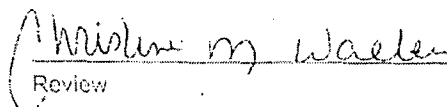
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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 samples 30884, 30895.


Analyst


Review

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name UTE INDIANS B	⁶ Well Number 1
⁷ OGRID No.	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6786'


¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	32-N	14-W		825	NORTH	880	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 SEC. CORNER FD 3 1/4" AC 1986 B.L.M.	N	89-59-43 E 2476.7' (M)	QTR. CORNER FD 3 1/4" AC 1986 B.L.M.	LOT 1	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief _____ Signature _____ Printed Name _____ Title _____ Date
	825'			LOT 2	
	880'		LAT: 36°59'35" N. (NAD 27) LONG: 108°15'56" W. (NAD 27)	LOT 3	
	5280.4' (M)			LOT 4	
W	13				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. _____ Date of Survey _____ Signature and Seal of Professional Surveyor:  _____ Certificate Number
S 0-00-13					
SEC. CORNER FD 3 1/4" AC 1986 B.L.M.					

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client: Halliberton
Sample ID: Wash Bay Sump Solids
Lab ID#: 30895
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92132-001
Date Reported: 10-11-04
Date Sampled: 10-07-04
Date Received: 10-07-04
Date Analyzed: 10-08-04
Chain of Custody: 13081

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

IGNITABILITY:	Negative
---------------	----------

CORROSIVITY:	Negative	pH = 7.11
--------------	----------	-----------

REACTIVITY:	Negative
-------------	----------

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

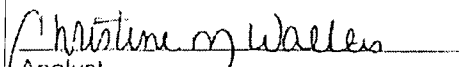
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
---------------	---

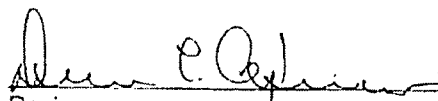
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

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: Wash Bay, Halliburton Yard.


Analyst


Review

APPENDIX B
LOCATION LAYOUT

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client: Halliburton
Sample ID: Wash Bay Sump Solids
Laboratory Number: 30895
Chain of Custody: 13081
Sample Matrix: TCLP Extraction
Preservative: Cool
Condition: Cool & Intact

Project #: 92132-001
Date Reported: 10-12-04
Date Sampled: 10-07-04
Date Received: 10-07-04
Date Extracted: 10-08-04
Date Analyzed: 10-11-04
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)	0.0037	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0012	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.

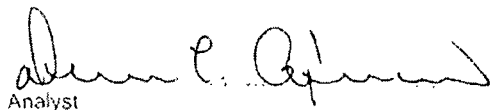
QA/QC Acceptance Criteria

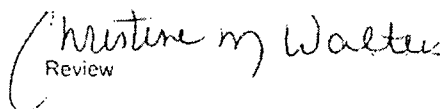
Parameter	Percent Recovery
Fluorobenzene	100%
1,4-difluorobenzene	100%
4-bromochlorobenzene	100%

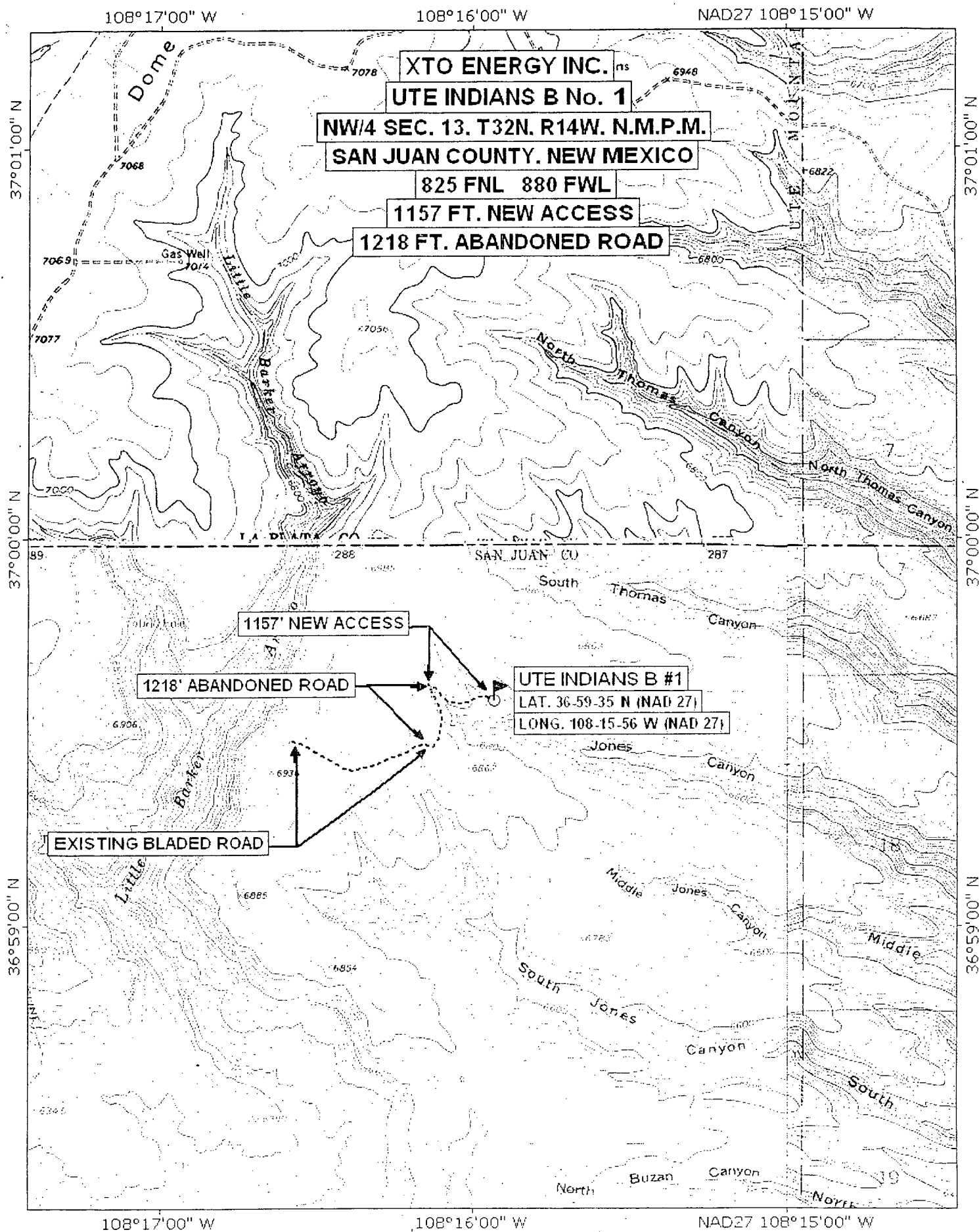
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

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

Comments: Wash Bay, Halliburton Yard.


Analyst


Review



ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump Solids	Date Reported:	10-12-04
Laboratory Number:	30895	Date Sampled:	10-07-04
Chain of Custody:	13081	Date Received:	10-07-04
Sample Matrix:	TCLP Extract	Date Extracted:	10-08-04
Preservative:	Cool	Date Analyzed:	10-12-04
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%

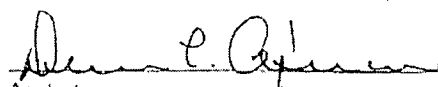
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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: Wash Bay, Halliburton Yard.


Analyst


Review

**APPENDIX A
AREA MAP**

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump Solids	Date Reported:	10-12-04
Laboratory Number:	30895	Date Sampled:	10-07-04
Chain of Custody:	13081	Date Received:	10-07-04
Sample Matrix:	TCLP Extract	Date Extracted:	10-08-04
Preservative:	Cool	Date Analyzed:	10-12-04
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

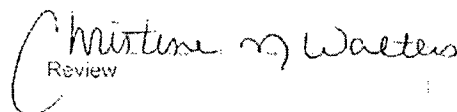
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity 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.

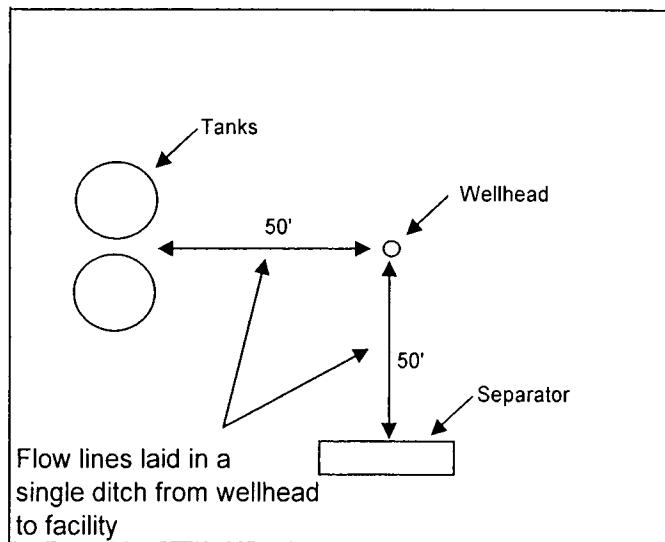
Comments: Wash Bay, Halliburton Yard.


Analyst


Review

Energen Resources

Typical wellpad layout with production facilities in the Carson National Forest



50' is a minimum to ensure facilities are on outside of rig anchors for workover activity
Meter run will follow path away from wellhead and production facilities.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	Wash Bay Sump Solids	Date Reported:	10-11-04
Laboratory Number:	30895	Date Sampled:	10-07-04
Chain of Custody:	13081	Date Received:	10-07-04
Sample Matrix:	TCLP Extract	Date Analyzed:	10-11-04
Preservative:	Cool	Date Extracted:	10-08-04
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.001	0.001	5.0
Barium	0.046	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.001	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.

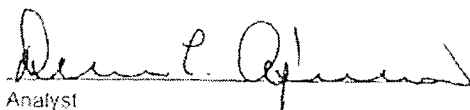
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

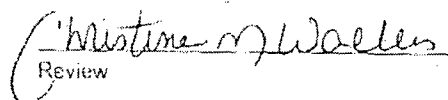
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

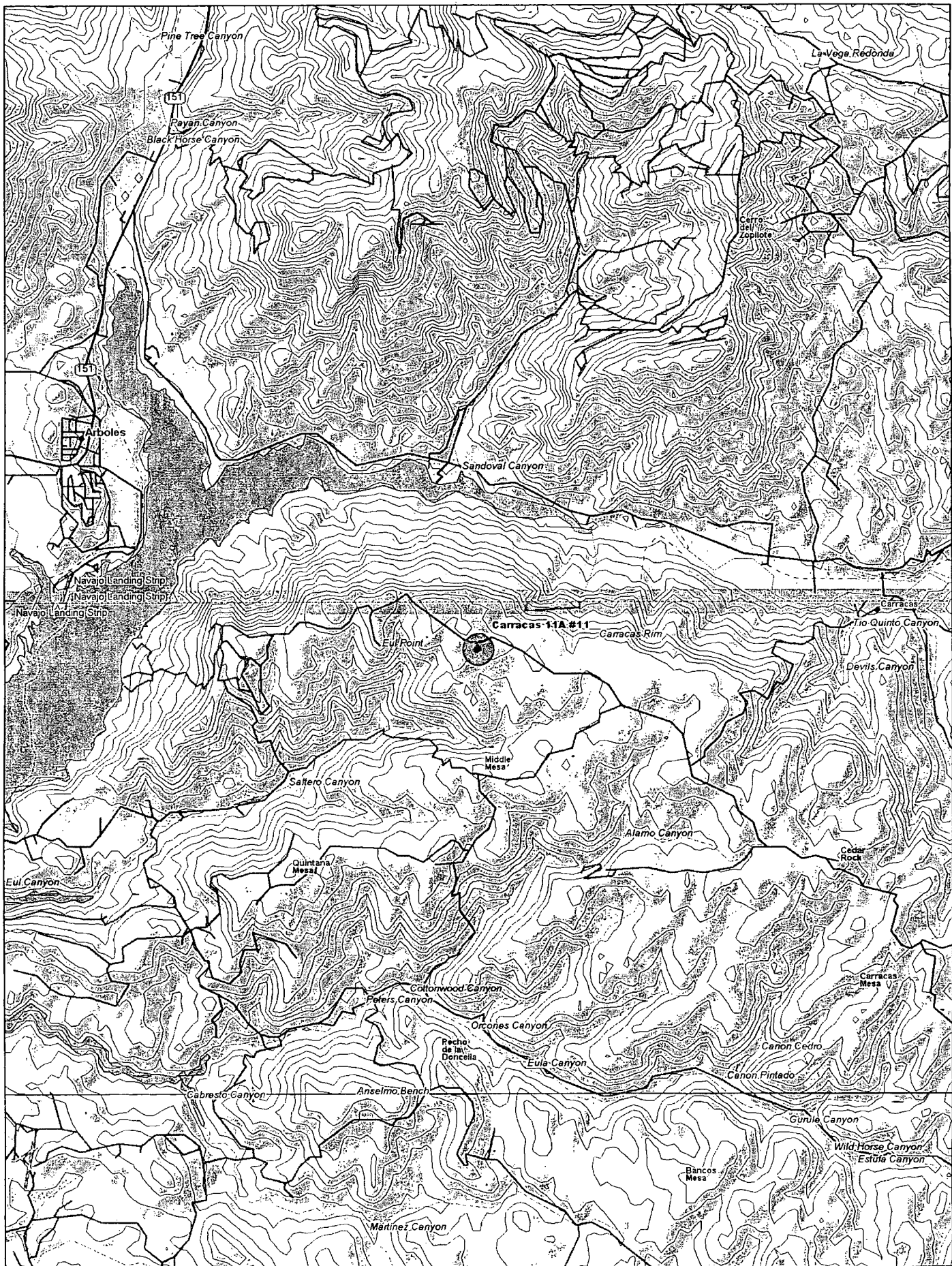
Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA, December 1996.

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

Comments: Wash Bay, Halliburton Yard.


Analyst


Review

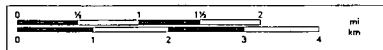


DELOME

© 2002 DeLorme. 3-D TopoQuads®. Data copyright of content owner.
www.delorme.com

Scale 1 : 100,000

1" = 1.58 mi



13084

[illegible]

can/44an reproduction 5.75-12%

ENERGEN RESOURCES CORPORATION CARRACAS IIA #11
1885' FSL & 1580' FWL, SECTION II, T32N, R5W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Verbal was received from Edwin Martin of the NMOCD in the Santa Fe Office on 8/2/05	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Wash Bay
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULS-TR) 4109 E. Main Street, Farmington	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS, and TCLP dated 10/7/04 attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: August 2, 2005
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Landfarm Manager</u>	DATE: <u>8-6-05</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

- a. With BLM approval, water produced from newly completed wells may be temporarily disposed into unlined pits up to 90 days. During this initial period, application for the permanent disposal method shall be made to this office in accordance with 00-7.

If underground injection is proposed, an EPA or State UIC permit shall also be required and submitted to this office.

- b. Spills, accidents, fires, injuries, blowout and other undesirable events shall be reported to this office within the time frames in NTL-3A.
- c. Gas may be vented or flared during emergencies, well evaluation, or initial production tests for a time period of up to 30 days or the production of 50 MMCF of gas, whichever occurs first. After this period, approval from this office shall be obtained to flare or vent gas in accordance with NTL-4A.
- d. Off-lease measurement and commingling of production must be approved by the authorized officer.

5. Well Identification (43 CFR 3162.6)

Each drilling, producing or abandoned well shall be identified with the operator's name, the lease serial number, the well number, and the surveyed description of the well (either footages or the quarter-quarter section, the section, township and range). The Indian lessors name may also be required. All markings shall be legible and in a conspicuous place.

6. Bureau of Land Management, San Juan Field Office Address and Contacts:

ADDRESS: Public Lands Center PHONE: (970) 247-4874
 15 Burnett Court
 Durango, Colorado 81301

BUSINESS HOURS: 7:45 A.M. to 4:30 P.M. (Mountain Time), Monday-Friday

AFTER HOURS:

Marie Lope Petroleum Engineering Technician
 Home: (505) 632-8106
 Cell: (970) 799-2956

Gary Retherford Petroleum Engineering Technician
 Home: (505) 632-3638
 Cell: (970) 799-2957



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Halliburton Energy Service 4109 E. Main Street Farmington, New Mexico 87402	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton, 4109 E. Main, Farmington attach list of originating sites as appropriate	
4. Source and Description of Waste Washbay grit from 2 bays that have been dried in a drying bed.	

I, Merle D. Krause III representative for:
Print Name

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): _____

Title: Material Control Supervisor

Phone Number: (505) 324-3551

Date: August 2, 2005

INFORMATIONAL NOTICE - APDs

San Juan Field Office

This notice is an abstract of some major regulations and Onshore Orders and includes notification requirements and information.

1. Drilling Operations (Onshore Order No. 2)

- a. If DSTs are run, all applicable safety precautions outlined in Onshore Order No. 2 shall be observed.
- b. All indications of usable water (10,000 ppm or less TDS) shall be reported to the San Juan Field Office prior to running the next string of casing or before plugging orders are requested, whichever occurs first.

2. Well Abandonment (43 CFR 3162.3-4, Onshore Order No. 1-Sec.V)

Approval for abandonment shall be obtained prior to beginning plugging operations. Initial approval for plugging operations may be verbal, but shall be followed-up in writing within 30 days. Subsequent and final abandonment notifications are required and shall be submitted on Sundry Notice (Form 3160-5), in triplicate.

3. Reports and Notifications (43 CFR 3162.3-2, 3162.4-1, 3162.4-3, 00-6)

- a. Within 30 days of completion of the well as a dry hole or producer, a copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions or data obtained and compiled during the drilling, workover, and/or completion operations shall be filed with a Completion Report (Form 3160-4), in triplicate. Submit casing/cementing reports and other subsequent reports via Sundry Notice, Form 3160-5.
- b. In accordance with 43 CFR 3162.4-3, this well shall be reported on MMS Form 3160, A Monthly Report of Operations@, starting with the month in which drilling operations commence, and continuing each month until the well is physically plugged and abandoned.
- c. Notify this office within 5 business days of production start-up if either of the following two conditions occur:
 - (1) The well is placed on production, or
 - (2) The well resumes production after being off production for more than 90 days.

A Placed on production@ means shipment or sales of hydrocarbons from temporary tanks, production into permanent facilities or measurement through permanent facilities. Notification may be written or verbal with written follow-up within 15 days.

- d. As per Onshore Order No. 6, III.A.2.b., if hydrogen sulfide is present the A operator shall initially test the H₂S concentration of the gas stream for each well or production facility...@ Submit the results of this test within 30 days of filing Form 3160-4, A Well Completion or Recompletion Report and Log@.

4. Environmental obligations and disposition of production (00-7, NTL-3A, NTL-4A, 43 CFR 3162.5-1, 3162.7 and 40 CFR 302-4)

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

MANIFEST # 23272
DATE 8-4-05 JOB # 92132-001

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME MIKE HOLL

COMPANY ENI, Rotec H

SIGNATURE *Mark Hay*

DATE 8-4-05

8. Cementing of the 8-5/8" Surface Casing: If cement does not circulate or cement circulates but falls back in the annular beyond visual sight, a temperature survey or other preferred method may be employed to determine the amount of fall back.

Cementing of the 5-1/2" Production Casing: A cement bond log will be run prior to perforating. A 360 degree cement evaluation log is recommended. Whether or not the cement circulates to the surface, a cement bond log will be run prior to perforating for completion.

9. Submit copies of all logs to the BLM office in both paper and in Log ASCII Standard (LAS) format.

10. If any operations are to start over the weekend, notify this office by noon Friday. If any problems arise after hours or on weekends, call BLM personnel using the home phone numbers listed on the following 'INFORMATIONAL NOTICE - APD's'.

11. If different zones of the Paradox formation are to be considered for commingling, approval must first be granted by the BLM. A Sundry Notice, Notice of Intent must be submitted with specific reservoir information from each zone, including: stabilized pressure, flow rates, and fluid analysis.

If commingling becomes a permanent part of the well completion and a change in production performance indicates that one particular zone's capacity becomes altered due to a drop in bottom hole pressure, a drop in fluid capacity, an inflow of water, or an inflow of either oil or gas, the BLM has the authority to request sufficient testing to determine what particular zone and to what degree that zone is contributing to the decrease in production or change in fluids. The operator is on notice that after a three to five year period you could be requested to retest the producing zones if the BLM believes there is a significant change in one or more commingled zones. Should an unexpected change take place within a short period of time following the initial completion, it is required to provide a reason for that change and the technical data to support the cause of such change.

XTO Energy, Inc.
IMDA: 751-01-1018
Well: Ute Indians B #1
Location: 793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San County, New Mexico

Conditions of Approval - Drilling Plan:

1. All drilling locations must be built as drilled, not constructed back to back prior to drilling.
2. The BOP must have adjustable chokes.
3. No additional zones will be commingled without UMU Tribal and BLM approval.
4. **Stabilized Bottom hole pressures must be taken from each perforated zone.**
5. Notify this office during working hours **at least 72 hours** prior to:
 - a. spudding the well*
 - b. running casing strings and cementing
 - c. BOP tests
 - d. Drill Stem testing

* at this time provide phone numbers for the rig and your field representative (mobile and office) to facilitate the scheduling of BLM Technicians to witness the above operations.

6. All BOP tests will be performed with a test plug in place. BOP will be tested to full stack working pressure and annular preventer to 50% maximum stack working pressure. All accumulators will be function tested as per Onshore Order #2. All 2M or greater systems require **adjustable** chokes as per Onshore Order #2.
7. If a BLM Inspector is not present during the initial BOP test, please provide chart record.

Continued on page 2.

verbal approval Denmy Foust 5/11/06 9:37

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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Universal Compression
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Black Hills 34-16
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Universal Compression
7. Location of Material (Street Address or ULSTR) Unit P; S 34; T 33N; R 8W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	Project # 98059-038

BRIEF DESCRIPTION OF MATERIAL:

Accept approximately 2 bbl of legacy diesel spill contaminated soil. RCRA metals analysis performed on 5/10/2006 revealed the following levels: Arsenic 0.133 mg/Kg; Barium 77.39 mg/Kg; Cadmium 0.030 mg/Kg; Chromium 0.413 mg/Kg; Lead 0.833 mg/Kg; Mercury nondetect; Selenium nondetect and Silver nondetect.

CWS and analyticals attached.

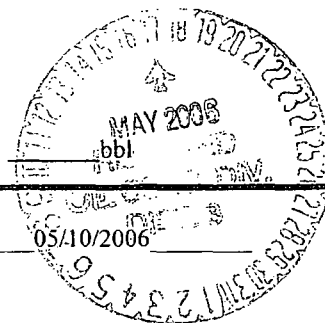
Estimated Volume 2 bbl Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE Morris D Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: 05/10/2006

TYPE OR PRINT NAME: Morris D Young

TELEPHONE NO: (505) 632-0615



(This space for State Use)		
APPROVED BY: <u>Brandon Doud</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>5/17/06</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro ENGR</u>	DATE: <u>5-25-06</u>

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 8

4. PROPOSED PRODUCTION FACILITIES (See PAGE 13 - 15)

LaPlata Archaeological Consultants will be called (970 565-8708) at least 1 week before construction starts. LaPlata will install a $\approx 90'$ long fence along the west side of the pipeline at Station 9+00 to protect an archaeology site.

A ≈ 60 barrel fiberglass open top tank, ≤ 200 hp compressor, meter run, and separator will be installed on the pad. All surface equipment will be painted a flat juniper green. Bird screens will be installed on all vent stacks.

XTO will bury a steel $\approx 4.5"$ O. D. gas line 7,403.59' southwest along roads to tie into Western's existing pipeline at the #51 well. Wall thickness = 0.156". All disturbance will be within the 40' wide corridor to be used for road work.

5. WATER SUPPLY

Water will be trucked from the Upper LaPlata Water Users Association on private land at junction on NM 170 and NM 173.

6. CONSTRUCTION MATERIALS & METHODS

NM One Call (1-800-321-ALERT) will be notified before construction starts. Construction zone will not extend beyond 30' from the pad. A diversion ditch will be cut on the north side of the pad. The top $\approx 6"$ of soil will be piled east of the pad and separate from the pit subsoil. Trees will be bucked and hauled to Towaoc. Slopes will be $< 2:1$, seeded, and mulched. Limbs will be walked onto cut and fill slopes to prevent erosion and catch silt.

Pit will have ≥ 12 mil liner. Three sides of pit will be fenced sheep tight before filling. The same day the rig leaves, the fourth side of the pit will be fenced and the top of the pit will be screened or bird bails on wires installed.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Universal Compression 3440 Morningstar Dr Farmington NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Black Hills 34-16	Location of the Waste (Street address &/or ULSTR): SE / SE, Sec 34 T33N - R8W La Plata County, CO
attach list of originating sites as appropriate	
4. Source and Description of Waste Compressor engine oil - legacy spill under skids	

I, Ron Gattfield 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): Ron Gattfield

Title: Field Mech.

Phone Number: 505-486-0454

Date: 5-10-06

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 7

64+19.86 where a 100' long culvert will be installed. (Archaeologist inspected a 150' wide swath.) Maximum grade = 8%. Maximum cut or fill = 10'. No gate, cattle guard, or turn out is needed.

All culvert inlets and outlets will be armored with rip rap or aprons. Low water crossings will have all excavated material piled above the high water mark of the channel. Crossings will be armored with a ≥ 12 " thick layer of ≈ 4 " pit run. Armor will extend 25' upstream and 25' downstream from the centerline of the crossing.

Site specific road work requested by BLM includes:

Station 40+00: low water crossing
Station 43+50: low water crossing
Station 45+00: low water crossing
Station 48+00: low water crossing
Station 50+00: low water crossing
Station 51+00: low water crossing
Station 57+00: gravel across bedrock
Station 57+67: low water crossing
Station 60+00: low water crossing or culvert
Station 63+00: low water crossing
Station 64+19: 48" x 100' culvert
Stations 65+15 to 70+71: anchor silt fences, straw bales, or excelsior logs
Station 73+53: low water crossing or culvert

3. EXISTING WELLS (See PAGE 13)

According to NM Oil Conservation Division and NM State Engineer records, there is 1 oil or gas well, 2 plugged and abandoned wells, and no water or injection wells within a mile radius.

CHAIN OF CUSTODY RECORD

15953

Client / Project Name UNIVERSAL Compressor			Project Location BLACK Hills # 34-16		ANALYSIS / PARAMETERS																				
Sampler: Bill CARTER			Client No. 98059-038		No. of Containers 1	PCRA 3 METALS ✓						Remarks													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																					
# 1	5-9-06	12:00	37087	Soil																					
Relinquished by: (Signature) Bill Carter			Date 5-9-06	Time 1:15p	Received by: (Signature) [Signature]			Date 5/9/06	Time 1:15																
Relinquished by: (Signature)					Received by: (Signature)																				
Relinquished by: (Signature)					Received by: (Signature)																				
<div style="text-align: center;"> ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>												Sample Receipt <table border="1"> <tr> <td></td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> <td></td> </tr> </table>			Y	N	N/A	Received Intact	✓			Cool - Ice/Blue Ice	✓		
	Y	N	N/A																						
Received Intact	✓																								
Cool - Ice/Blue Ice	✓																								

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 6

Surface Use Plan

1. DIRECTIONS (See PAGES 12 - 15)

From Mile Post 14 on the LaPlata Highway (NM 170) ...
Turn left at the transfer station and go West 0.7 miles on County Road 1330
Turn right and go North 0.1 miles on County Road 1191
Turn left at a cattle guard and go Northwest 3.3 miles to a junction
then turn right and go North 2.4 miles to the top of the mesa
Then bear left and continue North 2.7 miles
Then turn right and go East 2,461.4' on a partially reclaimed road
Then turn left and go North 960.6' on a reclaimed seismic trail
Then turn right and go East 1,065.16' cross country to the pad

Roads will be maintained to a standard at least equal to their present state.

2. ROAD TO BE BUILT OR UPGRADED (See PAGES 13 - 15)

LaPlata Archaeological Consultants will be called (970 565-8708) at least one week before construction starts. LaPlata will install the following fences beside the road (centerline survey plat includes all required avoidance) to protect archaeology sites:

- ≈90' along the west side of the road and south of Station 59+53
- ≈120' along east side of road north of Station 60+89
- ≈100' along west side of road around Station 64+19
- ≈100' along north side of road around Station 67+38
- ≈100' along north side of road at entrance to pad

The final 4,487.16' of road will be crowned and ditched with a ≈14' wide running surface. Maximum disturbed width will be 40', except at Station

Client:	Universal Compression	Project #:	98059-038
Sample ID:	#1	Date Reported:	05-10-06
Laboratory Number:	37087	Date Sampled:	05-09-06
Chain of Custody:	15953	Date Received:	05-09-06
Sample Matrix:	Soil	Date Analyzed:	05-10-06
Preservative:	N/A	Date Digested:	05-10-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.133	0.001	5.0
Barium	77.39	0.001	100
Cadmium	0.030	0.001	1.0
Chromium	0.413	0.001	5.0
Lead	0.833	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

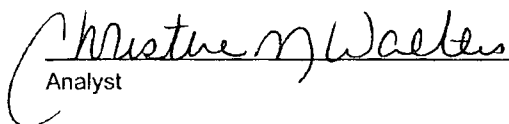
ND - Parameter not detected at the stated detection limit.

References: Method 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: **Black Hills #34-16.**


Analyst


Review

These stipulations must be followed or project suspension may be issued. The responsibility of the project sponsor is to notify subcontractors of the project boundaries and stipulations. Any change in project boundaries will require additional cultural resource inventory and repetition of the compliance procedures.

Prior to land modifying projects outside the scope of this approval, Section 106 compliance is one of several legal requirements, which must be accomplished before approving any right-of-way, easement, or other land use contracts by the Bureau of Indian Affairs. Land modifications conducted outside of this approval will be considered trespass.

The above mentioned sites have been cleared for threatened and endangered or sensitive species. Copies of this report on file with this office. This approval does not grant any easement rights.

Attached is a copy of the Ute Mountain Ute Tribe's stipulations for all operators drilling on the Ute Mountain Ute Reservation. If you have any questions, contact the Branch of Real Estate Services at (970) 565-6094.

Sincerely,


Superintendent

Enclosure(s)

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	05-10 TM QA/AC	Date Reported:	05-10-06
Laboratory Number:	37087	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	05-10-06
Condition:	N/A	Date Digested:	05-10-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	0.133	0.134	1.0%	0% - 30%
Barium	ND	ND	0.001	77.39	77.16	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.030	0.030	1.3%	0% - 30%
Chromium	ND	ND	0.001	0.413	0.418	1.2%	0% - 30%
Lead	ND	ND	0.001	0.833	0.840	0.9%	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%

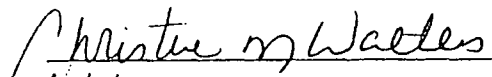
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.133	0.634	100.1%	80% - 120%
Barium	0.500	77.39	77.7	99.8%	80% - 120%
Cadmium	0.500	0.030	0.503	94.9%	80% - 120%
Chromium	0.500	0.413	0.908	99.5%	80% - 120%
Lead	0.500	0.833	1.322	99.2%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.500	100.0%	80% - 120%
Silver	0.500	ND	0.501	100.2%	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 Emmission
Spectroscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for Sample 37087 and 37088.


Analyst


Review



United States Department of the Interior
BUREAU OF INDIAN AFFAIRS
Ute Mountain Ute Agency
P.O. Box KK
Towaoc, Colorado 81334



IN REPLY REFER TO:
Office of the Superintendent

APR 04 2006

BLM, San Juan Resources Area
Attn: Helen Mary Johnson, Minerals Staff Chief
15 Burnett Court
Durango, CO 81301

RE: Application for Permit to Drill from XTO
Energy, Inc. Well Pad and Access Road, and Well
Tie Pipeline for Ute Indians B Number 1.

Dear Ms. Johnson:

Based upon the available information received in this office, we concur with the issuance of the Application for Permit to Drill (APD) for the above-referenced well.

The proposed project s in compliance with provisions of Section 106 of the National Historic Preservation Act and may proceed under the following general stipulations:

1. Sites LA149975, LA149976, LA149977, LA149978, LA149979, LA149980, and LA149981 must be avoided and protected by adhering to the prescribed avoidance and fencing measures presented on pages 20 and 21 of the cultural resources survey report dated December 27, 2005, entitled "Cultural Resources Survey of XTO Energy's Proposed Ute Indians B Number 1 Well Pad, Access Road, and Well Tie Pipeline, Ute Mountain Ute Indian Reservation, San Juan County, New Mexico."
2. All land altering activities be confined to the area surveyed for cultural resources; and the project sponsor shall control the action of it's agent(s) at the job site to ensure that any archaeological sites will not be disturbed or damaged. Site disturbance or damage is a violation of the Archaeological Resources Protection Act (16 U.S.C. § 470ee) which prohibits the excavation, removal, damage, alteration or defacement. Or attempt to excavate, remove, damage, alter or deface any archaeological resources [cultural resources] located on Federal or Indian Lands. Both criminal and civil penalties may be assessed (16 U.S.C. §§470ee and 470ff) for violations.
3. That in the event subterranean cultural resources are encountered, land altering activities shall cease within 50 feet of the discovery and the Ute Mountain Ute Indian Tribe and the Bureau of Indian Affairs Regional Archeologist shall be notified immediately for consultation on the treatment of the discovery.

RECEIVED

APR - 4 2006

Bureau of Land Management
Durango, Colorado

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

2008 JUL 31 PM 2:51

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

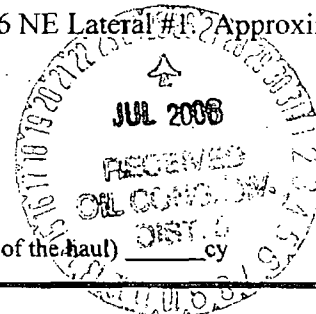
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Verbal approval from Brandon Powell 7/24/06	4. Generator: Compressor Systems Inc. 5. Originating Site: 29-6 NE Lateral #1
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR. Unit A; S 2; T29N, R 6W; Rio Arriba County	Project #01038-058
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. <input checked="" type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept non-exempt screw oil contaminated soil from ruptured supply line at 29-6 NE Lateral #1. Approximately 100 gal of oil went to skid and ground. Approximately 30-40 gal on ground.

CWS and MSDS for Frick NG-1 compressor screw oil attached.

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



SIGNATURE Morris D. Young TITLE: Landfarm Manager DATE: 7/24/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Brandon Powell TITLE: Environmental Spec DATE: 7/25/06
APPROVED BY: [Signature] TITLE: Environmental Engineer DATE: 8/1/06

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 1

Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Cliff House Sandstone	0'	12'	+6,800'
Gallup Sandstone	2,425'	2,437'	+4,375'
Greenhorn Limestone	2,975'	2,987'	+3,825'
Dakota Sandstone	3,150'	3,162'	+3,650'
Morrison	3,250'	3,262'	+3,550'
Todilto Limestone	4,200'	4,212'	+2,600'
Entrada Sandstone	4,225'	4,237'	+2,575'
Chinle Shale	4,900'	4,912'	+1,900'
Cutler Group	5,700'	5,712'	+1,100'
Ismay	8,480'	8,492'	-1,680'
Desert Creek	8,665'	8,677'	-1,865'
Akah	8,885'	8,897'	-2,085'
Barker Creek	8,975'	8,987'	-2,175'
Alkali Gulch	9,215'	9,227'	-2,415'
Total Depth	9,500'	9,512'	-2,700'

2. NOTABLE ZONES

Gas & Oil Zones

Dakota (not a goal)
Ismay
Desert Creek
Akah
Barker Creek

Water Zones

Entrada

Uranium Zone

Chinle

Deal, Jim

From: Davis, Mitch
Sent:
To: Deal, Jim
Subject: Blank CWS.doc

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. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 29-6 NE Lateral #1 Central Compressor	Location of the Waste (Street address &/or ULSTR): N/E/NE Sec.2,T-29-N,R-6-W,NMPM Rio Arriba N.M.
attach list of originating sites as appropriate	
4. Source and Description of Waste The oil supply line for the Screw Compressor ruptured causing a loss of 100gal. of Screw Oil on Skid and ground. The oil is NG-1 Screw Compressor oil. Estimate of 30 to 40 gal. on ground.	

Jim Deal _____ representative for :
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
waste is: (Check appropriate classification)

☐ EMPT oilfield waste _____
_____ ☒ NON-EXEMPT oilfield waste which is non-hazardous by
_____ analysis or by product identification

Nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

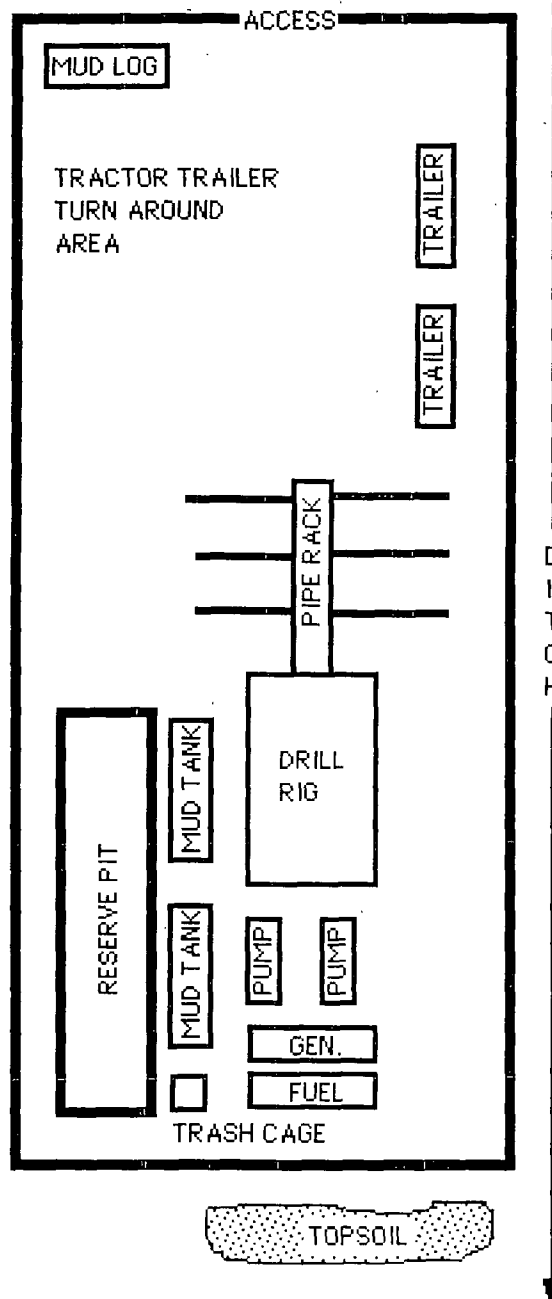
☒ EXEMPT waste the following documentation is attached (check appropriate items):
☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

_____ site is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20
C.F.R. 1403.C and D.

Original Signature: Jim Deal
7/15/06
Number: 486-2810

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 16



JUL-11-2006 10:05

FRICK CO

410 700 7450

P.01/01

FRICK NG 1

PRODUCT DESCRIPTION

Frick NG 1 is a custom-blended, highly refined, chemically resistant lubricant. State of the art additives act as lubricity improvers, defoamants, and pour point depressants. It also helps protect the metal surfaces against corrosion. This product is widely used in environments and certain applications (e.g. flooded rotary screw compressors) where shear stability, lubricity and resistance to chemical attack by the compressed gas are required.

APPLICATIONS

- Lubricant/coolant for process and hydrocarbon gas rotary screw compressors.
- Proprietary additive helps to protect metal surfaces from corrosive attack by sour gas (H_2S).

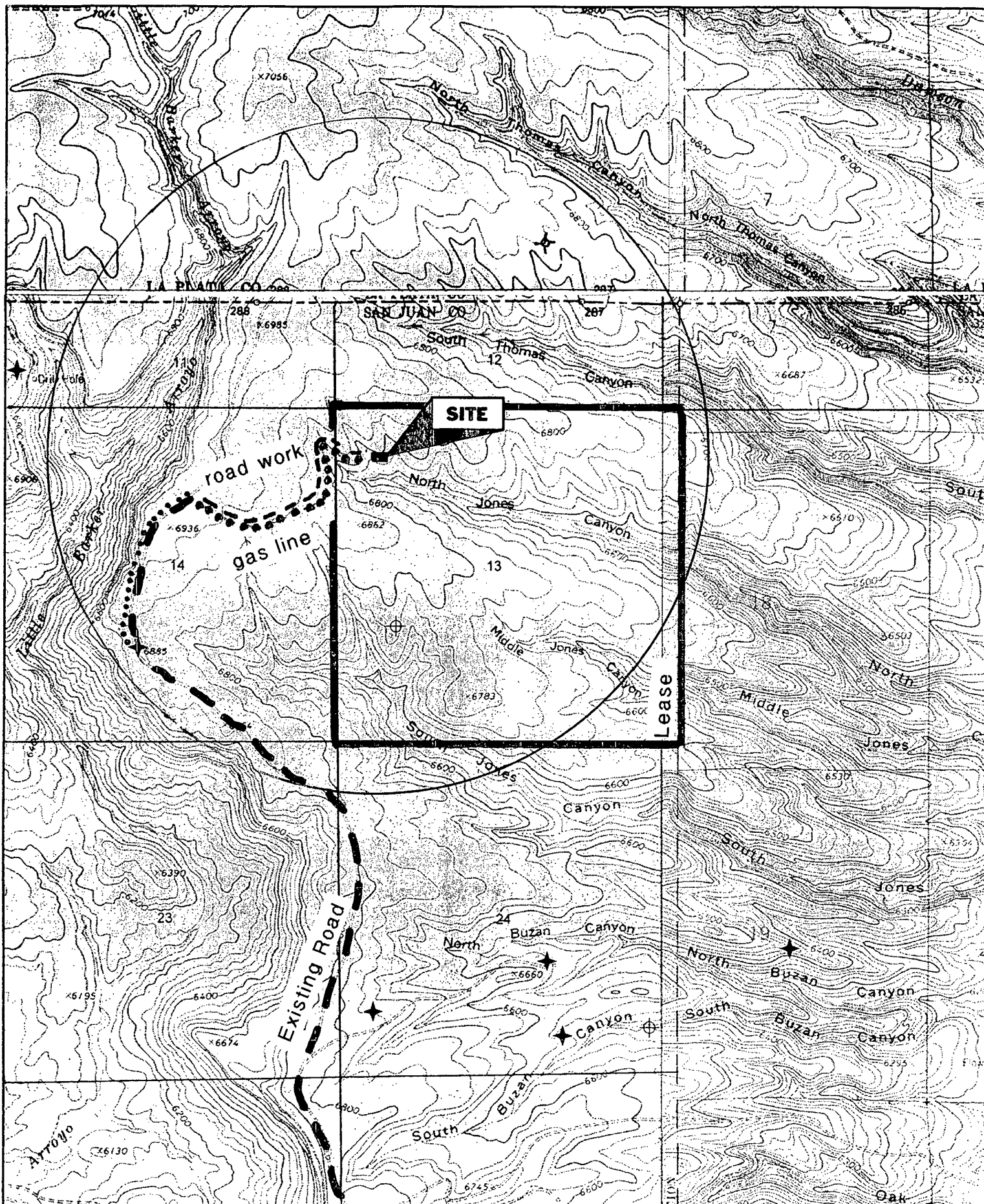
TYPICAL PROPERTIES*

Viscosity @ 40°C cS ASTM D443	
Viscosity @ 100°C cS	97
Viscosity @ 100°F	11.8
Viscosity @ 210°F	108.6
Viscosity Index ASTM D2270	12.1
Density, lb/gal, 60°F	11.1
Pour Point °F (°C) ASTM D97	7.42
Flash Point, C.O.C., °F (°C) ASTM D92	-10°F (-23°C)
Fire Point, C.O.C., °F (°C) ASTM D92	463 (240)
Specific Gravity, ASTM D1298	510 (265)
	0.890

*These values are not intended for use in preparing specifications.

6/99

TOTAL P.01



Name: PURGATORY CANYON
Date: 11/9/2004
Scale: 1 inch equals 2000 feet

Location: 036.9871583° N 108.2598661° W
Caption: 13, 32N-14W

Emergency Number: (989) 496-3780

Section 1 Product Name and Information

Product(Trade Name and Synonyms): Frick NG 1
Chemical Name: Semi-synthetic Hydrocarbon
Chemical Family: Mineral Oil
Formula: Proprietary
CAS#: Proprietary

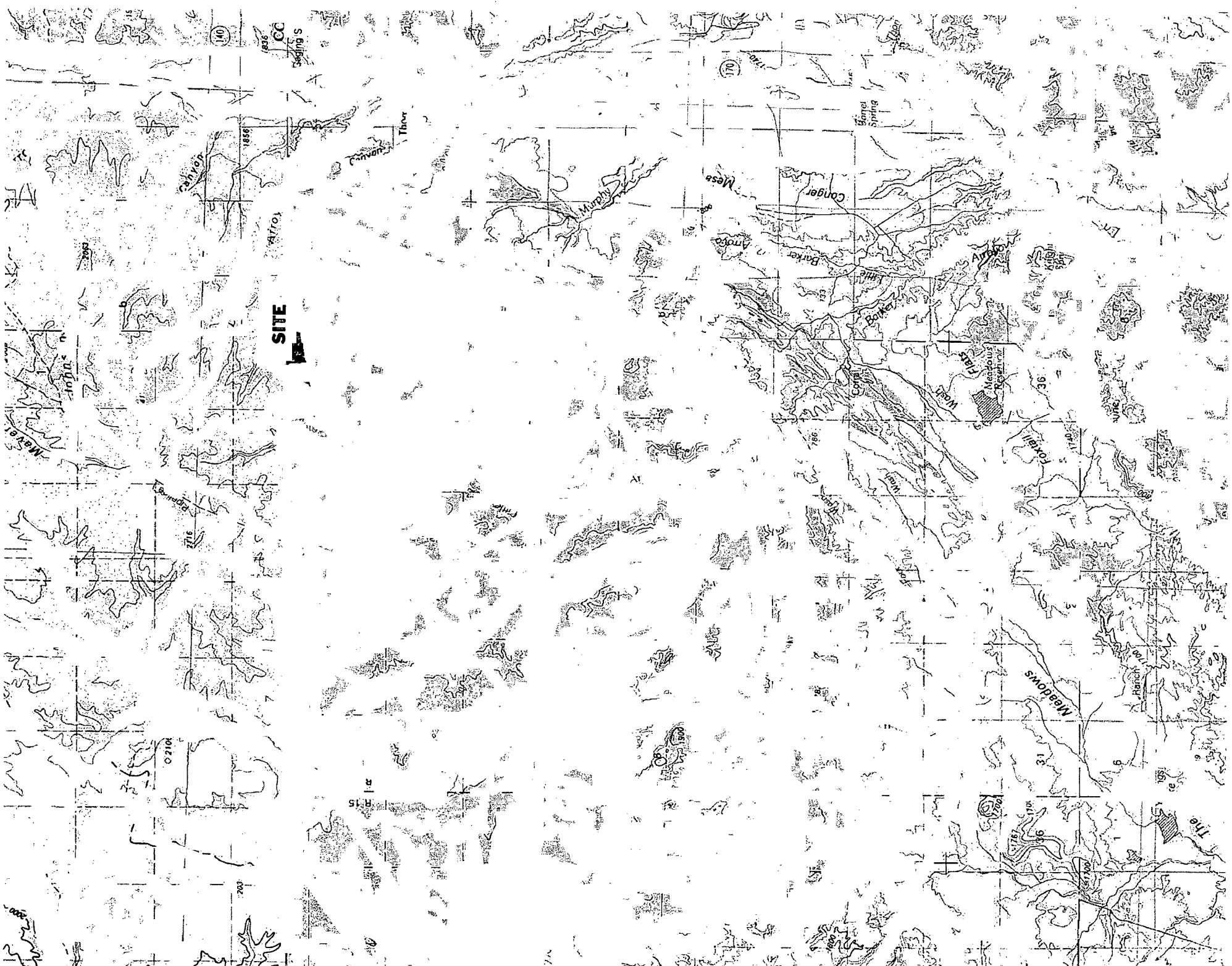
Section 2 Components and Hazard Statement

This product is non-hazardous. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200.

Section 3 Safe Handling and Storage

Handling. Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin, wash with soap and water. Flush eyes with water for 15 minutes and consult physician. Wash contaminated clothing before reuse.

Storage. Keep container tightly sealed when not in use.



Map created with TOPO © 2003 Natural Geographic (www.naturalgeographic.com/topo)

11° MN

Section 4 Physical Data

Appearance: Colorless liquid
Boiling Point: >500°F
Vapor Pressure: <0.1 mmHg @20°C
Specific Gravity(water=1): 0.85
Volatiles, Percent by Volume: 0%
Odor: slight
Solubility in Water: insoluble
Evaporation Rate(butyl acetate=1): nil

Section 5 Fire and Explosion Hazards

Flash Point (by Cleveland Open Cup): 212°C(415°F)

Flammable Limits: not established

Autoignition Temperature: no data

HMS Ratings:

Health: 0

Flammability: 1

Reactivity: 0

NFPA Ratings: not established

Extinguishing Media: Dry chemical; CO₂ foam

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Techniques: Burning fluid may evolve irritating/noxious fumes.

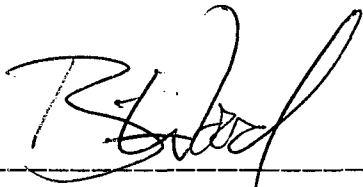
Firefighters should use NIOSH/MNSA-approved self-contained breathing apparatus. Use water carefully to cool fire-exposed containers. Spraying water directly on hot or burning liquid may cause frothing or splashing.

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

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pursuant to 43 CFR 3104 for lease activities and operations is being provided by XTO Energy Inc.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by XTO Energy Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.



Brian Wood, Consultant

March 23, 2006

Section 6Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong Oxidizers

Conditions to Avoid: Excessive heat

Hazardous Decomposition Products: Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified fragments when burned. See Section 5.

Section 7Health Hazard Data

Threshold Limit Value: 5mg/m³ for oil mist

Situations to Avoid: Avoid breathing oil mists

First Aid Procedures:

Ingestion: DO NOT INDUCE VOMITING. Consult physician at once. DO NOT give anything by mouth if the person is unconscious or having convulsions.

Inhalation: Product is not toxic by inhalation. If oil mist is inhaled, remove to fresh air and consult physician.

Contact: Prolonged exposure may irritate the skin. Wash exposed skin with soap and water.

To the best of our knowledge, the toxicological properties of these compounds have not been fully investigated. Analogous compounds are considered to be essentially non-toxic.

Section 8Personal Protection Information

Respiratory Protection: Use in well ventilated area

Ventilation: Local exhaust

Protective Gloves: Not required, but recommended, especially for long term exposure

Eye/Face Protection: Goggles

page 3

Section 9Spill or Leak Procedures

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 10

A harrow or cable will be dragged over the area to assure seed cover. If the well is a producer, then the reserve pit, pipeline route, and any other areas not needed for work overs will be reclaimed as previously described.

11. SURFACE OWNER

All construction is on Ute Mountain Ute Tribal land.

12. OTHER INFORMATION

The nearest hospital is a \approx 1 hour drive away in southwest Farmington.

13. REPRESENTATION

Anyone having questions concerning the APD should call:

Brian Wood, Consultant

Permits West, Inc.

37 Verano Loop

Santa Fe, NM 87505

(505) 466-8120

FAX: (505) 466-9682

Cellular: (505) 699-2276

Field representative will be:

John Egelston

XTO Energy Inc.

2700 Farmington Ave., Building K, Suite 1

Farmington, NM 87401

(505) 324-1090

FAX: (505) 566-7927

Mobile: (505) 330-6902

XTO Energy Inc. has the necessary consents from the proper lease owners to conduct lease operations in conjunction with this well. Bond coverage

In Case of Spill: Wear suitable protective equipment, especially goggles. Stop source of spill. Dike spill area. Use absorbent materials to soak up fluid(i.e. sand, sawdust, or commercially available materials). Wash spill area with large amounts of water. Properly dispose of all materials.

Section 10 Waste Disposal Methods

Incinerate this product and all associated wastes in a licensed facility in accordance with Federal, state, and local regulations.

The information in this material safety data sheet should be provided to all who use, handle, store, transport, or are otherwise exposed to this product. We believe the information in this document to be reliable and up to date as of the date of publication, but makes no guarantee that it is.

8/01

page 4

XTO Energy Inc.
Ute Indians B 1
793' FNL & 885' FWL
Sec. 13, T. 32 N., R. 14 W.
San Juan County, New Mexico

PAGE 9

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage. It will be hauled to the county landfill. There will be no trash burning. Once dry, contents of the reserve pit will be buried in place. Human waste will be disposed of in chemical toilets and hauled to an approved dump station.

8. ANCILLARY FACILITIES

There will be no air strip or camp. Camper trailers will be on location for the company man, tool pusher, or mud logger.

9. WELL SITE LAYOUT

See Pages 16 and 17 for depictions of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry, at which point it will be back filled. The pad and filled pit will be contoured to a natural shape and disturbed areas ripped or harrowed. Following mix will be broadcast seeded at a rate of 40 pure live seeds per square foot:

- 22.23% western wheatgrass (arriba 90 germ)
- 21.58% slender wheatgrass (pryor 93 germ)
- 16.73% Indian ricegrass (nezpar 96 germ)
- 11.24% western wheatgrass (arriba 76 germ)
- 7.52% blue grama (hachita 89 germ)
- 6.37% sainfoin (eski 90 germ)
- 3.84% sandberg bluegrass (vns 93 germ)
- 9.69 % other or inert

District I
1625 N. French Dr., Hobbs, NM 88240
District II
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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"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> BP 5/1/06	4. Generator: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Pipkin Compressor Station
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) T28N, R11W, Sec 36, San Juan County	8. State: New Mexico Project #99043-021
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:

Soil and gravel contaminated with motor oil.

CWS and analytical attached.

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

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: May 1, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Brandon Dewell</u>	TITLE: <u>Enviro/Spec</u>	DATE: <u>5/1/06</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>ENVIRO. ENGR.</u>	DATE: <u>5-5-06</u>

05-01-06;08:42AM;

2/ 2



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address HANOVER 1280 TROY KING RD, FARMINGTON, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): PIPKEN COMPRESSOR STATION BLOOMFIELD, NM <small>attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): T28N R11W S36
4. Source and Description of Waste SOIL AND GRAVEL CONTAMINATED WITH MOTOR OIL	

I, Michael Balcar representative for:
Print Name

THE HANOVER 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

☐ 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): Michael Balcar

Title: AREA MANAGER

Phone Number: 505-566-5212

Date: 5/1/06

15732

san juan reproduction 578-129

Client:	Hanover Compression	Project #:	99043-021
Sample ID:	X00057	Date Reported:	03-30-06
Laboratory Number:	36640	Date Sampled:	03-23-06
Chain of Custody:	15732	Date Received:	03-23-06
Sample Matrix:	Soil	Date Analyzed:	03-30-06
Preservative:	N/A	Date Digested:	03-29-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.122	0.001	5.0
Barium	67.0	0.001	100
Cadmium	0.039	0.001	1.0
Chromium	1.54	0.001	5.0
Lead	1.21	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

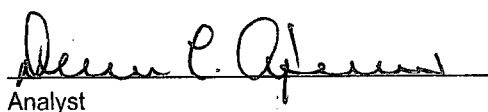
ND - Parameter not detected at the stated detection limit.

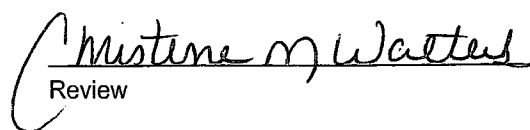
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Pipkin.**


Analyst


Review

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	03-30 TM QA/AC	Date Reported:	03-30-06
Laboratory Number:	36632	Date Sampled:	N/A
Sample Matrix:	Filter Material	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-30-06
Condition:	N/A	Date Digested:	03-29-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.789	0.792	0.4%	0% - 30%
Barium	ND	ND	0.001	23.4	23.5	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.363	0.364	0.3%	0% - 30%
Chromium	ND	ND	0.001	55.0	55.2	0.4%	0% - 30%
Lead	ND	ND	0.001	4.97	4.95	0.4%	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%

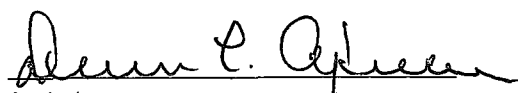
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.789	1.28	99.3%	80% - 120%
Barium	0.500	23.4	23.9	100.0%	80% - 120%
Cadmium	0.500	0.363	0.862	99.9%	80% - 120%
Chromium	0.500	55.0	55.4	99.8%	80% - 120%
Lead	0.500	4.97	5.45	99.6%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

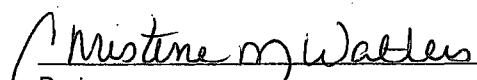
ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for Samples 36632, 36640, 36644.


Analyst


Review

District I
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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: XTO
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Gartner #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "D" Sec 27, T26N, R11W,	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Compressor oil from Gartner #1

CWS and analytical attached

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

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: 4/20/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>5/1/06</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro. ENGR.</u>	DATE: <u>5-5-06</u>



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address XTO Energy Inc. 2700 Farmington Ave., Bldg K, Ste 1 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Gartner #1	Location of the Waste (Street address &/or ULSTR): Sec. 27D—26N—11W San Juan County, New Mexico
attach list of originating sites as appropriate	
4. Source and Description of Waste Compressor Oil Foreman: Mark Hooper 320-8164	

I, **Kim Champlin, Torey Cardona, and/or Lisa Winn** representative for XTO Energy 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 Lab analysis for total RCRA 8 metals)

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): Kim Champlin

Title: Environmental Assistant

Phone Number: 505-566-7954

Date: 04/20/2006

CHAIN OF CUSTODY RECORD

14545

P.04

505 564 6700

Client / Project Name XTO ENERGY GAS			Project Location GARTNER		ANALYSIS / PARAMETERS				
Sampler: NV			Client No. 94034-010		No. of Containers 8 RCCA METALS				Remarks 4 FT. COMPOSITE SAMPLE
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix					
SAMPLE - 4 PC 2 SARE	3/27/06	1050	36618	TOIL	1	✓			COMPRESSOR OIL REFUSE

Relinquished by: (Signature) <i>[Signature]</i>	Date 3/27/06	Time 1246	Received by: (Signature) <i>Christine M. Waller</i>	Date 3/27/06	Time 1246
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt			
	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

XTO

APR-21-2006 08:48

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	Compr. - 4 PC @ Surf.	Date Reported:	03-28-06
Laboratory Number:	36618	Date Sampled:	03-27-06
Chain of Custody:	14545	Date Received:	03-27-06
Sample Matrix:	Soil	Date Analyzed:	03-28-06
Preservative:	N/A	Date Digested:	03-27-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.221	0.001	5.0
Barium	56.8	0.001	100
Cadmium	0.010	0.001	1.0
Chromium	0.664	0.001	5.0
Lead	1.51	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.

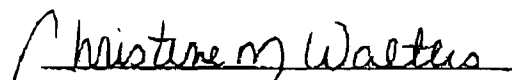
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: Gartner #1 Compressor Oil Release 4 Pt. Composite Sample.


Analyst


Review

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client: QA/QC
Sample ID: 03-28 TM QA/QC
Laboratory Number: 36618
Sample Matrix: Soil
Analysis Requested: Total RCRA Metals
Condition: N/A

Project #: QA/QC
Date Reported: 03-28-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03-28-06
Date Digested: 03-27-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.221	0.220	0.5%	0% - 30%
Barium	ND	ND	0.001	56.8	56.6	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.010	0.010	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.664	0.663	0.2%	0% - 30%
Lead	ND	ND	0.001	1.51	1.49	1.3%	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%

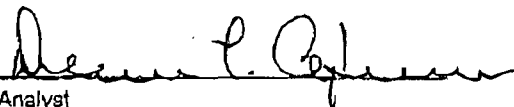
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.221	0.719	99.7%	80% - 120%
Barium	0.500	56.8	57.2	99.8%	80% - 120%
Cadmium	0.500	0.010	0.510	100.0%	80% - 120%
Chromium	0.500	0.664	1.16	99.7%	80% - 120%
Lead	0.500	1.51	2.00	99.5%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

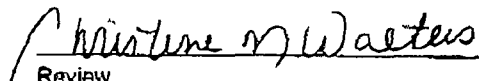
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References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

Comments: QA/QC for Samples 36618 - 36619.


Analyst


Review

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"/>	4. Generator: XTO
<input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site: Gallegos Canyon Fed #1
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: TBA
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) "K" Sec 4, T25N, R11W,	Project #98031-087
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:

Dirt from around compressor contaminated with engine oil from skid

CWS and analytical attached

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

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: 4/21/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Brandon Powell</u>	TITLE: <u>Enviro Spec</u>	DATE: <u>5/1/06</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>ENVIRO. ENGR.</u>	DATE: <u>5-5-06</u>



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address XTO Energy Inc. 2700 Farmington Ave., Bldg K, Ste 1 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Gallegos Canyon Federal #1	Location of the Waste (Street address &/or ULSTR): Sec. 4K—25N—11W San Juan County, New Mexico
attach list of originating sites as appropriate	
4. Source and Description of Waste Dirt from around compressor contaminated with engine oil from skid Foreman: Mark Hopper 320-8164	

I, **Kim Champlin, Torey Cardona, and/or Lisa Winn** representative for XTO Energy 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 **Lab analysis for total RCRA 8 metals**)

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): **Kim Champlin**

Title: **Environmental Assistant**

Phone Number: **505-566-7954**

Date: **04/21/2006**

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

1546

APR-21-2006 08:49

530 | *Journal of Interpersonal Violence* 37(3)

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	Compr. - 4 PC @ Surf.	Date Reported:	03-28-06
Laboratory Number:	36619	Date Sampled:	03-27-06
Chain of Custody:	14546	Date Received:	03-27-06
Sample Matrix:	Soil	Date Analyzed:	03-28-06
Preservative:	N/A	Date Digested:	03-27-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.142	0.001	5.0
Barium	46.5	0.001	100
Cadmium	0.017	0.001	1.0
Chromium	0.751	0.001	5.0
Lead	1.56	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

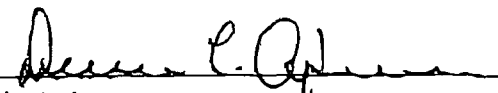
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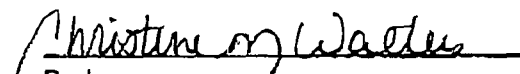
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

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

Comments: Gallegos Canyon Federal #1 Compressor Oil Release
4 Pt. Composite Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	03-28 TM QA/QC	Date Reported:	03-28-06
Laboratory Number:	36618	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-28-06
Condition:	N/A	Date Digested:	03-27-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.221	0.220	0.5%	0% - 30%
Barium	ND	ND	0.001	56.8	56.6	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.010	0.010	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.664	0.663	0.2%	0% - 30%
Lead	ND	ND	0.001	1.51	1.49	1.3%	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%

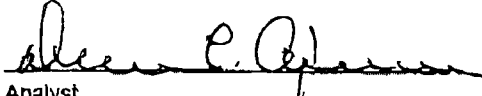
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.221	0.719	99.7%	80% - 120%
Barium	0.500	56.8	57.2	99.8%	80% - 120%
Cadmium	0.500	0.010	0.510	100.0%	80% - 120%
Chromium	0.500	0.664	1.16	99.7%	80% - 120%
Lead	0.500	1.51	2.00	99.5%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

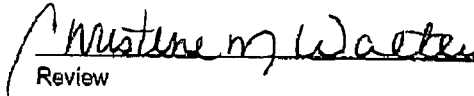
ND - Parameter not detected at the stated detection limit.

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

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

Comments: QA/QC for Samples 36618 - 36619.


Analyst


Review

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 checked="" type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: State Com S #15
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit H, Section 36, T32N, R12W, San Juan County, NM	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept soil stained with compressor oil from legacy compressor leaks during operations.
CWS, and Analytical attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: December 14, 2005
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Jerry Dent TITLE: Enviro/Engl DATE: 5/4/06
APPROVED BY: Ed Martin TITLE: ENVIRO. ENGR. DATE: 5-5-06



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): State Com S #15 API # 30-045-60084 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit H, Section 36, T32N, R12W 1665' FNL & 925' FEL San Juan County, New Mexico
4. Source and Description of Waste Approximately 40+ cubic yards soil stained with compressor oil from legacy compressor leaks during operations. RCRA metals analysis performed on two samples on 12/12/05 revealed the following levels (highest of the two): Arsenic 0.133 mg/Kg; Barium 4.56 mg/Kg; Cadmium 0.029 mg/Kg; Chromium 0.541 mg/Kg; Lead 0.581 mg/Kg; Mercury non-detect; Selenium 0.034 mg/Kg; and Silver non-detect.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 ☐ 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): Monica D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: December 13, 2005

Client:	ConocoPhillips	Project #:	96052-026-183
Sample ID:	Compressor @ Top	Date Reported:	12-12-05
Laboratory Number:	35408	Date Sampled:	12-08-05
Chain of Custody:	15197	Date Received:	12-09-05
Sample Matrix:	Soil	Date Analyzed:	12-12-05
Preservative:	N/A	Date Digested:	12-09-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.133	0.001	5.0
Barium	3.26	0.001	100
Cadmium	0.029	0.001	1.0
Chromium	0.421	0.001	5.0
Lead	0.489	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.026	0.001	1.0
Silver	ND	0.001	5.0

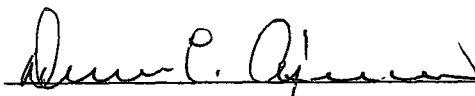
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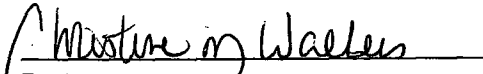
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

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

Comments: **State Com S.**


Analyst


Review

Client:	ConocoPhillips	Project #:	96052-026-183
Sample ID:	Compressor @ 3'-4'	Date Reported:	12-12-05
Laboratory Number:	35409	Date Sampled:	12-08-05
Chain of Custody:	15197	Date Received:	12-09-05
Sample Matrix:	Soil	Date Analyzed:	12-12-05
Preservative:	N/A	Date Digested:	12-09-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.079	0.001	5.0
Barium	4.56	0.001	100
Cadmium	0.021	0.001	1.0
Chromium	0.541	0.001	5.0
Lead	0.581	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.034	0.001	1.0
Silver	ND	0.001	5.0

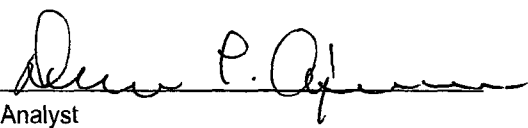
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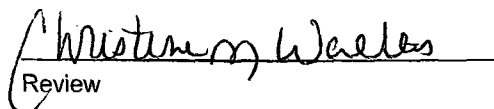
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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

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

Comments: **State Com S.**


Analyst


Review

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	12-12 TM QA/AC	Date Reported:	12-12-05
Laboratory Number:	35408	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-12-05
Condition:	N/A	Date Digested:	12-09-05

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.133	0.134	0.8%	0% - 30%
Barium	ND	ND	0.001	3.26	3.28	0.6%	0% - 30%
Cadmium	ND	ND	0.001	0.029	0.029	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.421	0.423	0.5%	0% - 30%
Lead	ND	ND	0.001	0.489	0.492	0.6%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.026	0.026	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

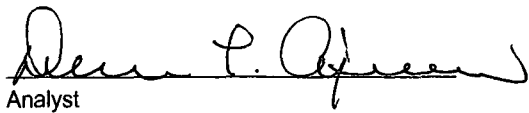
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.133	0.631	99.7%	80% - 120%
Barium	0.500	3.26	3.75	99.7%	80% - 120%
Cadmium	0.500	0.029	0.529	100.0%	80% - 120%
Chromium	0.500	0.421	0.920	99.9%	80% - 120%
Lead	0.500	0.489	0.987	99.8%	80% - 120%
Mercury	0.500	ND	0.500	100.0%	80% - 120%
Selenium	0.500	0.026	0.525	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

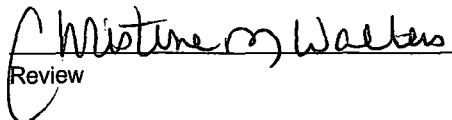
ND - Parameter not detected at the stated detection limit.

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 35408 - 35409.


Analyst


Review

15197

san juan reproduction 578-129

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138
Revised March 17, 1999
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 8/8/2006</i>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: <i>Jicarilla A #20</i>
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit E; Sec 23; T 26N; R 4W	8. State: New Mexico <i>AUG 2006</i> Project #96052-611
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:

Accept approximately 6 cy soil impacted with used compressor oil. Compressor oil leaked onto pad and was cleaned up.

CWS attached

Estimated Volume 6 cy Known Volume (to be entered by the operator at the end of the haul) bb1

SIGNATURE *Morris D Young* TITLE: Landfarm Manager DATE: 08/04/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Brandon Powell* TITLE: Enviro spec DATE: 8/9/06
APPROVED BY: *Ken A...* TITLE: Enviro ENGR DATE: 8/20/06

Hall Environmental Analysis Laboratory

Date: 28-Sep-05

CLIENT: Blagg Engineering
Work Order: 0509168
Project: BP ATLANTIC A LS 15

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0509168-01AMS	Batch ID:	8794	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/22/2005 10:18:38 AM	Prep Date	9/20/2005
Client ID:	SEP-C @ 23'	Run ID:	FID(17A) 2_050920A	SeqNo:	402962						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40.08	10	50	0	80.2	67.4	117	0			
Surr: DNOP	5.371	0	5	0	107	74	125	0			

Sample ID	0509168-01AMSD	Batch ID:	8794	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/22/2005 10:51:43 AM	Prep Date	9/20/2005
Client ID:	SEP-C @ 23'	Run ID:	FID(17A) 2_050920A	SeqNo:	402963						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41.63	10	50	0	83.3	67.4	117	40.08	3.79	17.4	
Surr: DNOP	5.38	0	5	0	108	74	125	5.371	0.167	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

District I
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Verbal approval Brandon Powell 8/8/2006</i>	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: <i>Jicarilla A #20</i>
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit E; Sec 23; T 26N; R 4W	8. State: New Mexico Project #96052-611 DIST. 3
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:

Accept approximately 6 cy soil impacted with used compressor oil. Compressor oil leaked onto pad and was cleaned up.

CWS attached

Estimated Volume 6 cy Known Volume (to be entered by the operator at the end of the haul) bb1

SIGNATURE *Morris D. Young* TITLE: Landfarm Manager DATE: 08/04/06
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Morris D Young TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *BP* TITLE: Enviro/spec DATE: 8/8/06
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Conoco Phillips 3401 E 30 th St. Farmington, New Mexico 87499	2. Destination Name: EnviroTech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico Fax (505) 632-1865
3. Originating Site (name): Jicarilla A #20	Location of the Waste (Street address &/or ULSTR): U- E S- 23 T- 26N R- 4W Street Address: _____
attach list of originating sites as appropriate	
4. Source and Description of Waste Used compressor oil leaked onto pad. Approx. 6cy Impacted soil. Transporter Foutz and Bursum.	
5. WO# 3999576	

I, Gregg Wurtz representative for :
Print Name

Conoco Phillips 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): Gregg Wurtz

Title: Env. Rep

Date: 8/4/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 07, 2006

ConocoPhillips
Billy Camp
5525 Hwy 64
Farmington, New Mexico 87401

Phone: (505) 330-9851

Client No.: 96052-026

Dear Mr. Camp:

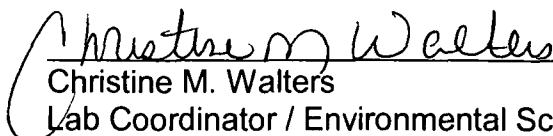
Enclosed are the analytical results for the sample collected from the location designated as "Jicarilla A #20". One soil sample was collected by ConocoPhillips designated personnel on 8/04/06, and delivered to the Envirotech laboratory on 8/04/06 for RCRA 8 Metal analysis.

The sample was documented on Envirotech Chain of Custody No. 1281 and was assigned Laboratory No. 38060 (Compressor Oil) for tracking purposes.

The sample was analyzed on 8/07/06 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

enc.

CMW/cmw

C:/files/labreports/ConoPhill.wpd

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Compressor Oil	Date Reported:	08-07-06
Laboratory Number:	38060	Date Sampled:	08-04-06
Chain of Custody:	1281	Date Received:	08-04-06
Sample Matrix:	Soil	Date Analyzed:	08-07-06
Preservative:	N/A	Date Digested:	08-07-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.074	0.001	5.0
Barium	7.86	0.001	100
Cadmium	0.060	0.001	1.0
Chromium	0.322	0.001	5.0
Lead	0.459	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

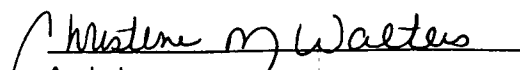
ND - Parameter not detected at the stated detection limit.

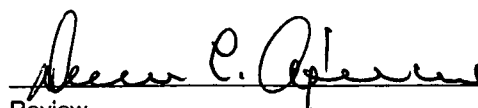
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: Jicarilla A #20


Analyst


Review

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-07 TM QA/QC	Date Reported:	08-07-06
Laboratory Number:	38060	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-07-06
Condition:	N/A	Date Digested:	08-07-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.074	0.074	0.0%	0% - 30%
Barium	ND	ND	0.001	7.86	7.89	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.060	0.062	3.3%	0% - 30%
Chromium	ND	ND	0.001	0.322	0.318	1.2%	0% - 30%
Lead	ND	ND	0.001	0.459	0.455	0.9%	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%

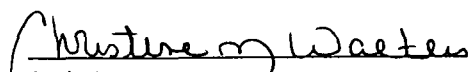
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.074	0.572	99.7%	80% - 120%
Barium	0.500	7.86	8.35	99.9%	80% - 120%
Cadmium	0.500	0.060	0.559	99.8%	80% - 120%
Chromium	0.500	0.322	0.820	99.8%	80% - 120%
Lead	0.500	0.459	0.956	99.7%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.498	99.6%	80% - 120%

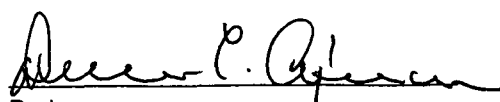
ND - Parameter not detected at the stated detection limit.

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 38060


Analyst


Review

CHAIN OF CUSTODY RECORD

1281

Client / Project Name Conoco Phillips			Project Location Jicarella A#20		ANALYSIS / PARAMETERS									
Sampler: Billy Camp			Client No. 96052-026-000		No. of Containers 1	PCRA metals <input checked="" type="checkbox"/>								Remarks
Sample No. Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
Compressor Oil	8/4/06	1200	38060	Soil										
Relinquished by: (Signature) Billy Camp			Date 8/4/06	Time 200	Received by: (Signature) Christa Walter							Date 8/4/06	Time 206	
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
Call Billy Camp 330-9851					ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615					Sample Receipt				
											Y	N	N/A	
										Received Intact	<input checked="" type="checkbox"/>			
					Cool - Ice/Blue Ice									

verbal approval Denny Foust 5/11/06 9:37

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Universal Compression
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Black Hills 34-16
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Universal Compression
7. Location of Material (Street Address or ULSTR) Unit P; S 34; T 33N; R 8W	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept approximately 2 bbl of legacy diesel spill contaminated soil. RCRA metals analysis performed on 5/10/2006 revealed the following levels: Arsenic 0.133 mg/Kg; Barium 77.39 mg/Kg; Cadmium 0.030 mg/Kg; Chromium 0.413 mg/Kg; Lead 0.833 mg/Kg; Mercury nondetect; Selenium nondetect and Silver nondetect.

CWS and analyticals attached.

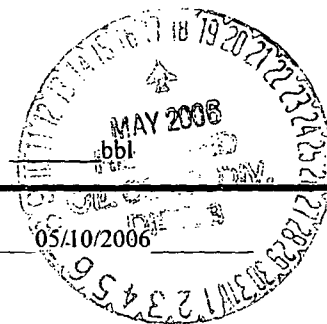
Estimated Volume 2 bbl Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE Morris D Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: 05/10/2006

TYPE OR PRINT NAME: Morris D Young

TELEPHONE NO: (505) 632-0615



(This space for State Use)		
APPROVED BY: <u>Brandon Doughty</u>	TITLE: <u>Enviro/Spec</u>	DATE: <u>5/17/06</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>ENVIRO ENGR</u>	DATE: <u>5-25-06</u>

Hall Environmental Analysis Laboratory

Date: 28-Sep-05

CLIENT: Blagg Engineering
Work Order: 0509168
Project: BP ATLANTIC A LS 15

QC SUMMARY REPORT

Method Blank

Sample ID	MB-8794	Batch ID:	8794	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/20/2005 8:51:53 PM	Prep Date	9/20/2005	
Client ID:		Run ID:	FID(17A) 2_050920A	SeqNo:	402214							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		ND	10									
Motor Oil Range Organics (MRO)		ND	50									
Surr: DNOP		10.73	0	10	0	107	60	124	0			

Sample ID	mb-8782	Batch ID:	8782	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/22/2005 9:57:47 PM	Prep Date	9/19/2005	
Client ID:		Run ID:	PIDFID_050922A	SeqNo:	403091							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		ND	5									
Surr: BFB		1001	0	1000	0	100	83.1	124	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Verbal approval Denny Foust 5/11/06 9:37

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District Office

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1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Universal Compression
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Black Hills 34-16
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Universal Compression
7. Location of Material (Street Address or ULSTR) Unit P; S 34; T 33N; R 8W	8. State: New Mexico
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Accept approximately 2 bbl of legacy diesel spill contaminated soil. RCRA metals analysis performed on 5/10/2006 revealed the following levels: Arsenic 0.133 mg/Kg; Barium 77.39 mg/Kg; Cadmium 0.030 mg/Kg; Chromium 0.413 mg/Kg; Lead 0.833 mg/Kg; Mercury nondetect; Selenium nondetect and Silver nondetect.

CWS and analyticals attached.

Estimated Volume 2 bbl Known Volume (to be entered by the operator at the end of the haul) _____ bbl

SIGNATURE Morris D Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: 05/10/2006

TYPE OR PRINT NAME: Morris D Young

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Brandon Duncanson

TITLE:

Enviro Spec

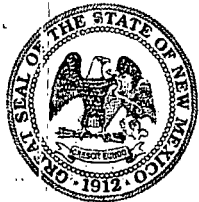
DATE:

5/17/06

APPROVED BY:

TITLE:

DATE:



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Universal Compression 3440 Morningstar Dr Farmington NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Black Hills 34-16 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): SE 1 SE, sec 34 T33N-R8W La Plata County, CO.
4. Source and Description of Waste Compressor engine oil - legacy spill under skids	

I, Ron Gattfried 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): Ron Gattfried

Title: Field Mech.

Phone Number: 505-486-0454

Date: 5-10-06

15953

san juan reproduction 578-129

Client:	Universal Compressor	Project #:	98059-038
Sample ID:	#1	Date Reported:	05-10-06
Laboratory Number:	37087	Date Sampled:	05-09-06
Chain of Custody:	15953	Date Received:	05-09-06
Sample Matrix:	Soil	Date Analyzed:	05-10-06
Preservative:	N/A	Date Digested:	05-10-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.133	0.001	5.0
Barium	77.39	0.001	100
Cadmium	0.030	0.001	1.0
Chromium	0.413	0.001	5.0
Lead	0.833	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

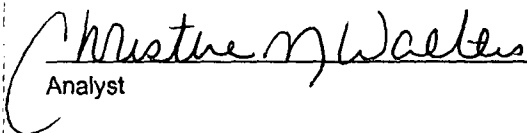
ND - Parameter not detected at the stated detection limit.

References: Method 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: **Black Hills #34-16.**


Analyst


Review

TRACE METAL ANALYSIS
Quality Control /
Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	05-10 TM QA/AC	Date Reported:	05-10-06
Laboratory Number:	37087	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	05-10-06
Condition:	N/A	Date Digested:	05-10-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.133	0.134	1.0%	0% - 30%
Barium	ND	ND	0.001	77.39	77.16	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.030	0.030	1.3%	0% - 30%
Chromium	ND	ND	0.001	0.413	0.418	1.2%	0% - 30%
Lead	ND	ND	0.001	0.833	0.840	0.9%	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%

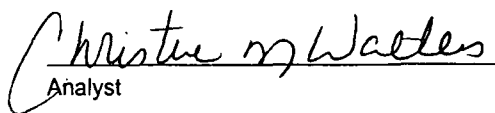
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.133	0.634	100.1%	80% - 120%
Barium	0.500	77.39	77.7	99.8%	80% - 120%
Cadmium	0.500	0.030	0.503	94.9%	80% - 120%
Chromium	0.500	0.413	0.908	99.5%	80% - 120%
Lead	0.500	0.833	1.322	99.2%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Selenium	0.500	ND	0.500	100.0%	80% - 120%
Silver	0.500	ND	0.501	100.2%	80% - 120%

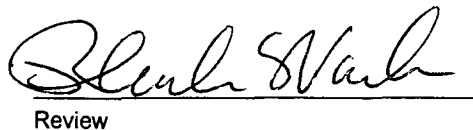
ND - Parameter not detected at the stated detection limit.

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 37087 and 37088.


Analyst


Review

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"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: ConocoPhillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32 Fed 8 #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) Unit L, Section 8, T 32N, R 9W San Juan County, New Mexico	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 5 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4/13/06 revealed the following levels: Arsenic 0.133 mg/Kg; Barium 10.0 mg/Kg; Cadmium 0.005 mg/Kg; Chromium 0.152 mg/Kg; Lead 0.213 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.

CWS and analytical attached

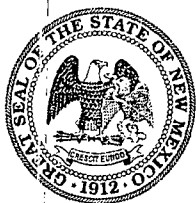
Estimated Volume _____cy Known Volume (to be entered by the operator at the end of the haul) _____cy

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: 04/24/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: _____	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 32 Fed 8 #1 API # 30-045-29796 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit L, Section 8, T32N, R9W 1845' FSL & 1065' FWL San Juan County, New Mexico
4. Source and Description of Waste Approximately 5 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4-13-06 revealed the following levels: Arsenic 0.133 mg/Kg; Barium 10.0 mg/Kg; Cadmium 0.005 mg/Kg; Chromium 0.152 mg/Kg; Lead 0.213 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 ☐ 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): Monice D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: April 21, 2006

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client: ConocoPhillips
Sample ID: 32 Fed 8-1
Laboratory Number: 36755
Chain of Custody: 15803
Sample Matrix: Soil
Preservative: N/A
Condition: Intact

Project #: 96052-001-000
Date Reported: 04-13-06
Date Sampled: 04-11-06
Date Received: 04-12-06
Date Analyzed: 04-13-06
Date Digested: 04-12-06
Analysis Needed: Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.133	0.001	5.0
Barium	10.0	0.001	100
Cadmium	0.005	0.001	1.0
Chromium	0.152	0.001	5.0
Lead	0.213	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

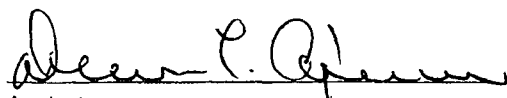
ND - Parameter not detected at the stated detection limit.

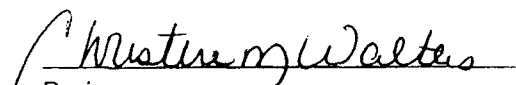
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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:


Analyst


Review

15803

san juan reproduction 578-129

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

Form C-138
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: ConocoPhillips 5. Originating Site: San Juan 32 Fed Com 7 #1A 6. Transporter: TBA 8. State: New Mexico Project #96052-492
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	
7. Location of Material (Street Address or ULSTR) Unit I, Section 7, T32N, R9W San Juan County, New Mexico	
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Approximately 5 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4/13/06 revealed the following levels: Arsenic 0.105 mg/Kg; Barium 9.06 mg/Kg; Cadmium non-detect; Chromium 0.118 mg/Kg; Lead 0.218 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.

CWS and analytical attached

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

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: 04/24/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 32 Federal Com 7 #1A API # 30-045-31267 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit I, Section 7, T32N, R9W 1495' FSL & 945' FEL San Juan County, New Mexico
4. Source and Description of Waste Approximately 5 cubic yards soil stained with compressor oil from compressor leaks during operations. RCRA metals analysis performed on 4-13-06 revealed the following levels: Arsenic 0.105 mg/Kg; Barium 9.06 mg/Kg; Cadmium non-detect; Chromium 0.118 mg/Kg; Lead 0.218 mg/Kg; Mercury non-detect; Selenium non-detect; and Silver non-detect.	

I, Monica D. Johnson representative for :
Print Name

ConocoPhillips 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 ☐ 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): Monica D. Johnson

Title: Environmental Specialist

Phone Number: 505-599-3458

Date: April 21, 2006

Client:	ConocoPhillips	Project #:	96052-001-000
Sample ID:	32 Fed 7-1 A	Date Reported:	04-13-06
Laboratory Number:	36754	Date Sampled:	04-11-06
Chain of Custody:	15803	Date Received:	04-12-06
Sample Matrix:	Soil	Date Analyzed:	04-13-06
Preservative:	N/A	Date Digested:	04-12-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.105	0.001	5.0
Barium	9.06	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.118	0.001	5.0
Lead	0.218	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

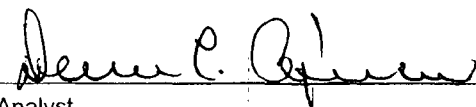
ND - Parameter not detected at the stated detection limit.

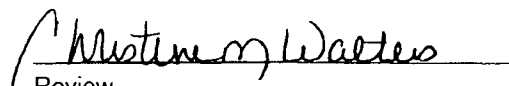
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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:


Analyst


Review

15803

san juan reproduction 578-129

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

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <u>4/25/06</u> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Ciniza Pipe Line Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Lybrook Station
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) T23N, R7W, Section 15	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Heavy tank bottoms, part of cleaning project. Non-exempt

CWS and letter of knowledge of process attached



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

SIGNATURE April E Pohl TITLE: Landfarm Manager DATE: 4/25/2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: April E Pohl TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Pohl</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>4/25/06</u>
APPROVED BY: _____	TITLE: _____	DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Ciniza Pipe Line Company 111 CR 4990 Bloomfield, NM 87413	2. Destination Name: Envirotech, County Road 7175, Bloomfield, NM 87413
3. Originating Site (name): Lybrook Station, T23N, R7W, Section 15	Location of the Waste (Street address &/or ULSTR): Lybrook Station, T23N, R7W, Section 15
attach list of originating sites as appropriate	
4. Source and Description of Waste Heavy tank bottoms, part of tank cleaning project. Non-exempt.	

I, Bill Robertson representative for : Ciniza Pipe Line 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☐ Knowledge of process letter☐ 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): Bill RobertsonTitle: Safety and Environmental ManagerDate: 4/25/06

**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT****OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87508
(505) 827-7131**

July 29, 1998

**CERTIFIED MAIL
RETURN RECEIPT NO. 2-357-869-974**

Mr. Barry G. Holman
Safety and Environmental Manager
Giant Transportation
111 CR 4990
Bloomfield, New Mexico 87413

RE: CRUDE OIL PIPELINE SPILLS

Dear Mr. Townsend:

The New Mexico Oil Conservation Division (OCD) has reviewed the Giant Transportation (Giant) July 20, 1998, correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. Giant requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event until further notice.
2. Giant will reference the above waste determination in all future RCRA non-exempt crude oil spill reports to the OCD.
3. Giant will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Mr. Barry G. Holman
July 29, 1998
Page 2-

Please be advised that OCD approval does not relieve Giant of liability should these types of leaks and spills result in contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve Giant of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,



Roger C. Anderson
Environmental Bureau Chief

xc: OCD Aztec District Office
NMED Hazardous and Radioactive Waste Bureau

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

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Giant Refinerys
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Refinery Cooling tower #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 50 Road 4990 Bloomfield NM	8. State: New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Accept non-contact cooling tower sludge which will be cleaned out in conjunction with a turnaround

CWS and analytical results attached. The results are RCRA total metals so they fall under the divisible by 20 rule.

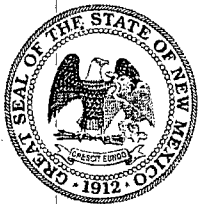
Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: February 24, 2006
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Ferry Fernt TITLE: Enviro/Eng DATE: 2/28/06
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director

Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address SAN JUAN REFINING COMPANY dba: GIANT REFINING COMPANY BLOOMFIELD REFINERY	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): REFINERY COOLING TOWER #1	Location of the Waste (Street address &/or ULSTR): #50 COUNTY Rd 4990 BLOOMFIELD NM.
attach list of originating sites as appropriate	
4. Source and Description of Waste NON-CONTACT COOLING WATER SLUDGE WHICH WILL BE CLEANED OUT IN CONJUNCTION WITH A TURNAROUND	

I, JAMES R. SCHMALTZ representative for: GIANT REFINERY
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): James R. Schmaltz

Title: Enviro Manager

Phone Number: (505) 632-4171

Date: 2/24/2006

Client:	Giant Refinery	Project #:	96012-009
Sample ID:	1 - Cooling Tower	Date Reported:	02-15-06
Laboratory Number:	36226	Date Sampled:	02-14-06
Chain of Custody:	15547	Date Received:	02-14-06
Sample Matrix:	Solid	Date Analyzed:	02-15-06
Preservative:	N/A	Date Digested:	02-14-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	1.07	0.001	5.0
Barium	64.9	0.001	100
Cadmium	0.023	0.001	1.0
Chromium	12.1	0.001	5.0
Lead	0.617	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

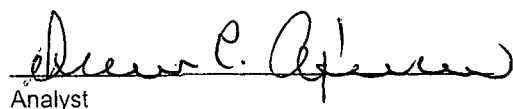
ND - Parameter not detected at the stated detection limit.

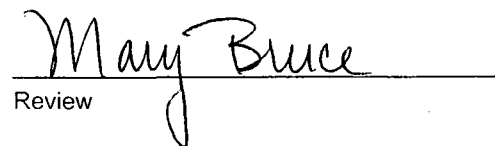
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Bloomfield, NM.**


Analyst


Review

Client:	Giant Refinery	Project #:	96012-009
Sample ID:	2 - Cooling Tower	Date Reported:	02-15-06
Laboratory Number:	36227	Date Sampled:	02-14-06
Chain of Custody:	15547	Date Received:	02-14-06
Sample Matrix:	Solid	Date Analyzed:	02-15-06
Preservative:	N/A	Date Digested:	02-14-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	2.28	0.001	5.0
Barium	63.1	0.001	100
Cadmium	0.025	0.001	1.0
Chromium	6.63	0.001	5.0
Lead	0.554	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.044	0.001	1.0
Silver	ND	0.001	5.0

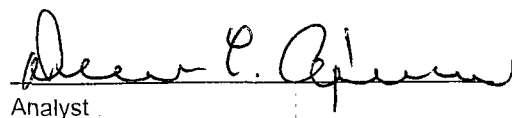
ND - Parameter not detected at the stated detection limit.

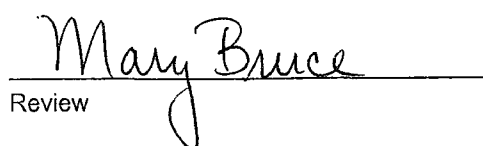
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.
SW-846, USEPA, December 1996.

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: **Bloomfield, NM.**


Analyst


Review

TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	02-15 TM QA/AC	Date Reported:	02-15-06
Laboratory Number:	36226	Date Sampled:	N/A
Sample Matrix:	Solid	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-15-06
Condition:	N/A	Date Digested:	02-14-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	1.07	1.05	1.9%	0% - 30%
Barium	ND	ND	0.001	64.9	65.0	0.2%	0% - 30%
Cadmium	ND	ND	0.001	0.023	0.023	0.0%	0% - 30%
Chromium	ND	ND	0.001	12.1	12.1	0.0%	0% - 30%
Lead	ND	ND	0.001	0.617	0.619	0.3%	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/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	1.07	1.56	99.4%	80% - 120%
Barium	0.500	64.9	65.3	99.8%	80% - 120%
Cadmium	0.500	0.023	0.523	100.0%	80% - 120%
Chromium	0.500	12.1	12.5	99.2%	80% - 120%
Lead	0.500	0.617	1.110	99.4%	80% - 120%
Mercury	0.500	ND	0.500	100.0%	80% - 120%
Selenium	0.500	ND	0.498	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 36226 - 36227.**


Analyst

Review