

**NM1-11**

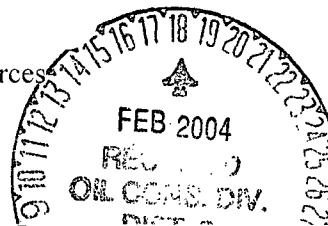
**C-138**

**Date: 2004**

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 type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: <u>Conoco Phillips</u>  5. Originating Site: <u>San Juan 28-7 #134E</u>
2. Management Facility Destination: <u>Envirotech Soil Remediation Facility, Landfarm #2</u>	6. Transporter: <u>Scat</u>
3. Address of Facility Operator: <u>5796 U.S. Highway 64, Farmington, NM 87401</u>	8. State: <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) <u>"E" Sec 21, T28N, R7W, Rio Arriba County</u>	Project # <u>96052-082</u>
9. <u>Circle One</u> :  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

**BRIEF DESCRIPTION OF MATERIAL:**

Tank bottoms and fresh wash water from cleaning out produced water tank in order to allow for proper operations.

CWS attached.

Estimated Volume ~30bblscy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 10, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Teent TITLE: Enviro/Engl DATE: 2/18/04  
APPROVED BY: [Signature] TITLE: 4-06/09/15 DATE: 2-23-04





# 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 ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 #134E API # 30-039-22625 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit E, Sec. 21, T28N, R7W 1850' FNL & 865' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste 30 BBL tank bottoms & wash from cleaning out produced water pit tank to allow for proper operations	

Monica D. Olson

Print Name

representative for :

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

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

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

☐ MSDS Information  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

☐ Other (description)

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

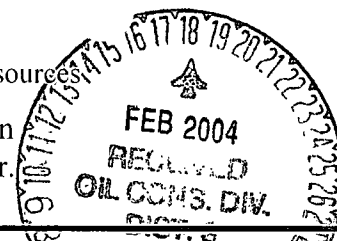
(Original Signature):

Monica D. Olson  
HSE & Regulatory Technician 599-3458

2-10-04

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: LXTO  5. Originating Site: E. Scott Federal #13  6. Transporter: TBA  8. State: New Mexico  Project #98031-009
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) "L" Sec 24, T27N, R11W, 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:

Returns resulting from swabbing operations on a natural gas well.

CWS attached.

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 11, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Faust</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>2/18/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>2-23-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor  
Betty Rivera  
Cabinet Secretary

**Lori Wrotenberg**

Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>XTO Energy Inc 2700 Farmington Ave., Bldg K, Suite 1 Farmington, NM 87401</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>E. Scott Federal #13</i> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <i>Unit L, Sec 24, T27N, R11W San Juan County, NM</i>
4. Source and Description of Waste <i>Returns as a result of swabbing operations. Natural gas, liquids. H2S</i>	

I, *DARRIN STEED* representative for:  
Print Name

*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 ☐ 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): *Darrin Steed*  
Title: *HSE & Regulatory Supervisor*  
Date: *2/11/04*

District I\*  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Process Equipment and Service Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: PESCO Main Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) 5680 Highway 64, 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:

Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.

Certificate of Waste Status and NORMS attached.

Estimated Volume 26 boxes cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: February 11, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Wendy Feent</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/18/04</u>
APPROVED BY: <u>R. L. High</u>	TITLE: <u>geologist</u>	DATE: <u>2-23-04</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 PESCO 5680 Highway 64 Farmington, New Mexico	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Process Equipment & Service Company 5680 Highway 64 Farmington, New Mexico attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Mainyard, stored in 18 sq. ft. & 12 sq. ft. steel boxes.
4. Source and Description of Waste Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.	

I, Byron Betton representative for:  
Print Name

Process Equipment and 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 ☐ 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): Byron Betton

Title: Repair Shop Supervisor

Date: 02/10/04

## NORM SURVEY DATA SHEET

Facility / location.

PESCO

Date:

02/10/04

Meter Model: DOSIMETER 3007A

Serial No: 9808-238

Detector Model: DOSIMETER 3012

Serial No: 201-887-7100

Calibration Date: 08/08/2001

Battery Check: (✓)

Background Radiation Level: \_\_\_\_\_ mR/hr

Description of material surveyed:

Exempt oil field waste from oil field  
equipment.

## Item / Material Surveyed:

Waste Material: 462 sq. ft.  
approx. gas

Equipment:

mR/hr: .05

Manufacturer: \_\_\_\_\_

Serial No: \_\_\_\_\_

Description:

Oil field waste

Job No: \_\_\_\_\_

Comments

Survey Conducted by

Byron Betani

(Print Name)

Byron Betani  
(Signature)

District I  
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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

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Revised March 17, 1999

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District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 #232
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) "G" Sec 20, T28N, R7W, Rio Arriba County	Project #96052-081
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:**

Tank bottoms and fresh wash water from cleaning out produced water tank in order to allow for proper operations.

CWS attached.

Estimated Volume ~10bbblscy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 10, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>2/18/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>gcol/eng</u>	DATE: <u>2-23-04</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 ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 #232 Unit G, Sec. 20, T28N, R7W 1765' FNL & 1490' FEL attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): API # 30-039-20993 Rio Arriba County, New Mexico
4. Source and Description of Waste: 10 BBL tank bottoms & wash from cleaning out produced water pit tank to allow for proper operations	

Monica D. Olson

Print Name

representative for :

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

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

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

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

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

(Original Signature):

Monica D. Olson

HSE & Regulatory Technician 599-3458

2-10-04



District I  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
District III  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Robert L. Bayless
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Schlosser Well No. 16
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Paul & Sons
7. Location of Material (Street Address or ULSTR) "P" Sec 10, T27N, R11W, 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:

Screw compressor oil stained soil generated by a long-term slow leak on the compressor.

CWS attached.



Estimated Volume 7 cy Known Volume (to be entered by the operator at the end of the haul) 7 cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 6, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Zeint TITLE: Enviro/Engl DATE: 1/12/04  
APPROVED BY: Shirley TITLE: geologist DATE: 1-12-4



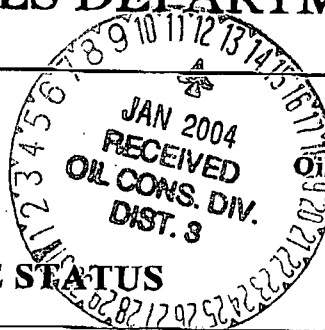
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary



Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address M&G Drilling Company c/o Robert L. Bayless, Producer LLC PO Box 2406 Farmington, NM 87499	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Schlosser Well No. 16	Location of the Waste (Street address &/or ULSTR): "P" Section 10, T27N, R11W San Juan County, NM Lease No. NMSF-078673
attach list of originating sites as appropriate	
4. Source and Description of Waste 2 cylinder oil soaked soil from well location Screw compressor oil - long term <del>slow</del> slowleak.	

I, Tom McCarthy representative for : M&G Drilling Company  
Print Name

M&G Drilling 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): Tom McCarthy

Title: Agent

Phone Number: (505) 326-2659

Date: January 6, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88201  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
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State of New Mexico  
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Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505	
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Halliburton 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
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 7/23/03 attached.



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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: February 23, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>3/1/04</u>

0361041-1

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS and TCLP dated 7/23/03 attached.



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

SIGNATURE Landrea R Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: February 23, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Fent

TITLE: Enviro/Engr

DATE: 2/27/04

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 <i>Halliburton 4109 E Main ST Farmington N.M. 87402</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>Halliburton 4109 E Main Farmington N.M. 87402</i> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <i>Halliburton 4109 E Main Farmington N.M. 87402</i>
4. Source and Description of Waste <i>Wash bay Grit From 2 Bays That Have Been Dried IN A Drying Bed.</i>	

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): *Merle D Krause III*

Title: *Material Control Supv.*

Phone Number: *505-324-3551*

Date: *2-23-04*

# ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

7/23/03

Printed Name

Dean Kraus III

Title / Agency

Halliburton Energy

Address

4109 E MainFarminston NM.

Signature



Date

2/23/04

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003-Wash Bay Sludge	Date Reported:	07-23-03
Lab ID#:	26147	Date Sampled:	07-23-03
Sample Matrix:	Soil	Date Received:	07-23-03
Preservative:	Cool	Date Analyzed:	07-23-03
Condition:	Cool and Intact	Chain of Custody:	11169

Parameter	Result
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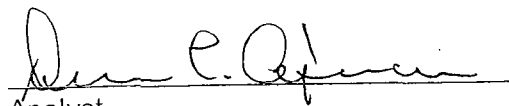
IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 6.78
REACTIVITY:	Negative	

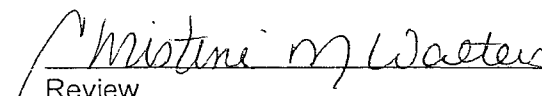
### RCRA Hazardous Waste Criteria

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: Halliburton.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0182	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0073	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.

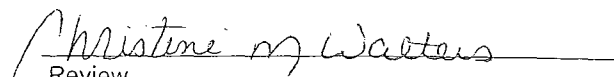
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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: Halliburton.

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
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%

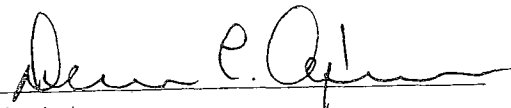
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

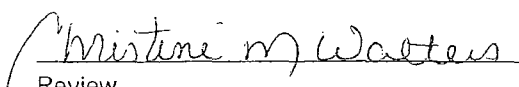
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: Halliburton.

  
Analyst

  
Review

# 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:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

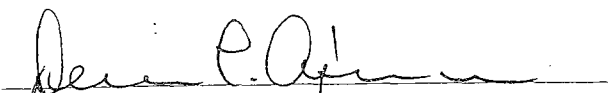
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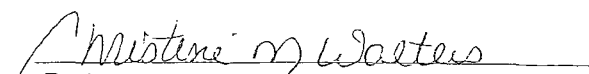
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 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: Halliburton.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Halliburton	Project #:	92-132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Analyzed:	07-25-03
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.008	0.001	5.0
Barium	0.964	0.001	100
Cadmium	0.002	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	0.003	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

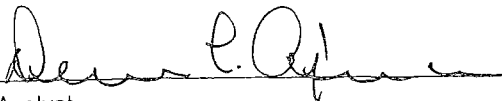
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

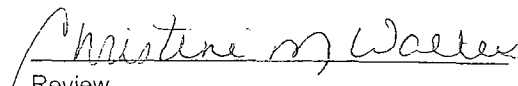
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: Halliburton.

  
Analyst

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**QUALITY ASSURANCE / QUALITY CONTROL**

**DOCUMENTATION**

# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
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

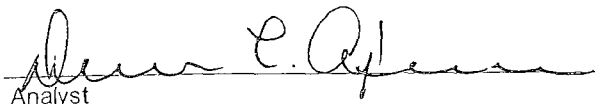
ND - Parameter not detected at the stated detection limit.

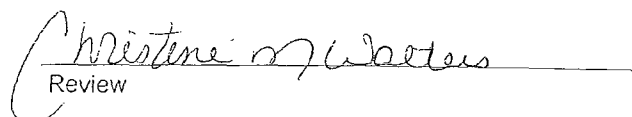
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	07-23-03
		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.

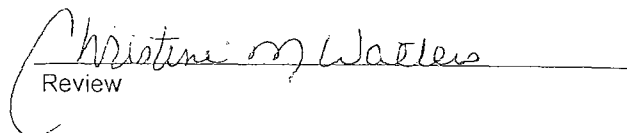
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

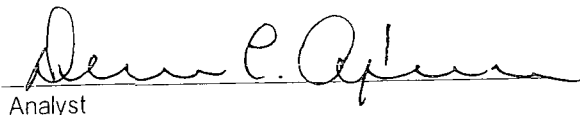
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	07-23-03

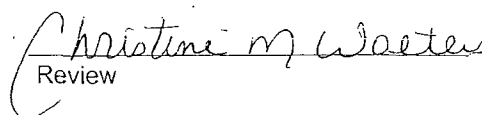
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0182	0.0181	0.0001	0.5%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0073	0.0073	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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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


Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	07-23-03

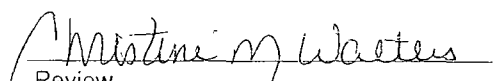
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99.0%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	98.8%	43-143
2-Butanone (MEK)	0.0182	0.050	0.0680	0.0001	99.7%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100.0%	49-133
Carbon Tetrachloride	ND	0.050	0.0495	0.0001	99.0%	43-143
Benzene	0.0073	0.050	0.0571	0.0001	99.7%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98.0%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99.0%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99.0%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99.0%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99.0%	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 26147.

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC  
Sample ID: Matrix Spike  
Laboratory Number: 26147  
Sample Matrix: TCLP Extract  
Analysis Requested: TCLP  
Condition: N/A

Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: 07-23-03

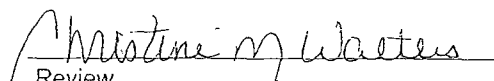
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99.0%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	98.8%	43-143
2-Butanone (MEK)	0.0182	0.050	0.0680	0.0001	99.7%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100.0%	49-133
Carbon Tetrachloride	ND	0.050	0.0495	0.0001	99.0%	43-143
Benzene	0.0073	0.050	0.0571	0.0001	99.7%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98.0%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99.0%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99.0%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99.0%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99.0%	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 26147.

  
Analyst

  
Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Analysis Requested:	TCLP

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

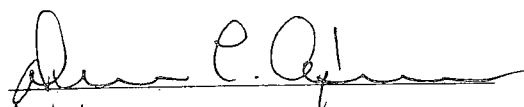
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

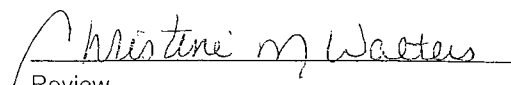
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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%

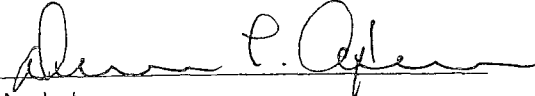
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

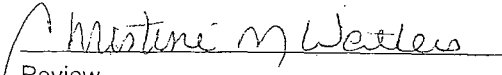
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP-Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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.

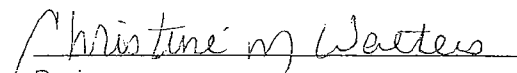
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	05-25-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-25-03
		Analysis Requested:	TCLP

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

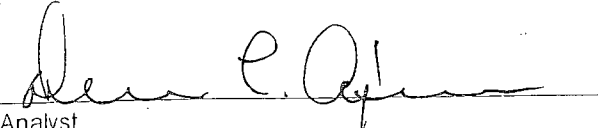
ND - Parameter not detected at the stated detection limit.

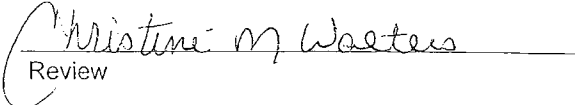
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, 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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC  
Sample ID: Method Blank  
Laboratory Number: 07-23-TBN  
Sample Matrix: TCLP Extract  
Preservative: Cool  
Condition: Cool and Intact

Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Extracted: 07-23-03  
Date Analyzed: 07-25-03  
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

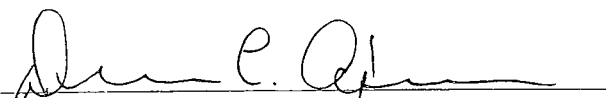
ND - Parameter not detected at the stated detection limit.

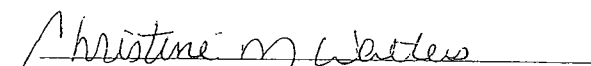
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	07-23-03
Condition:	N/A	Date Analyzed:	07-25-03
		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

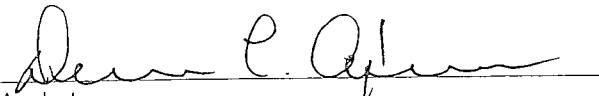
ND - Parameter not detected at the stated detection limit.

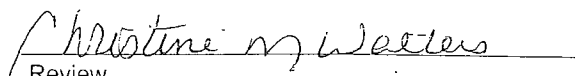
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: N/A  
Sample ID: 07-25-TCM QA/QC  
Laboratory Number: 26147  
Sample Matrix: Water  
Analysis Requested: TCLP Metals  
Condition: N/A

Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.008	0.008	0.0%	0% - 30%
Barium	ND	ND	0.001	0.964	0.961	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.003	0.003	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	0.008	0.507	99.8%	80% - 120%
Barium	0.500	0.964	1.46	99.7%	80% - 120%
Cadmium	0.500	0.002	0.502	100.0%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.003	0.502	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

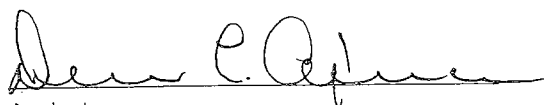
ND - Parameter not detected at the stated detection limit.

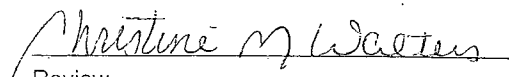
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review



# CHAIN OF CUSTODY RECORD

11169

Client / Project Name <i>Halliburton</i>			Project Location <i>92/22-001</i>		ANALYSIS / PARAMETERS							
Sampler: <i>Morgan Killion</i>			Client No. <i>Halliburton</i>		No. of Containers <i>1</i>	<i>TCLP</i>						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Halliburton 2003 WASH BAY Sludge</i>	<i>7-23-03</i>	<i>11:55</i>	<i>26147</i>	<i>soil</i>								
Relinquished by: (Signature) <i>Morgan Killion</i>			Date <i>7-23-03</i>	Time <i>13:00</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>7-23-03</i>	Time <i>13:00</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	<input checked="" type="checkbox"/>		
Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

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 type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: Conoco Phillips 5. Originating Site: Sibyl Federal #1
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) "C" Sec 32, T27N, R11W, San Juan County	Project #96052-083
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:

Tank bottoms and fresh water tank wash fluids from a produced water fiberglass pit tank that needed to be cleaned out in order to be taken out of service and disposed of.

CWS attached.

Estimated Volume ~7bblscy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 17, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Jacutt</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>K. Kyle</u>	TITLE: <u>geologist</u>	DATE: <u>3-2-4</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

<p>1. Generator Name and Address</p> <p>ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401</p>	<p>2. Destination Name:</p> <p>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</p>
<p>3. Originating Site (name):</p> <p>Sibyl Federal #1</p> <p>RPT # 30-045-06195 attach list of originating sites as appropriate</p>	<p>Location of the Waste (Street address &amp;/or ULSTR):</p> <p>Unit C, Sec. 32, T27N, R11W 790' FNL &amp; 1540' FWL San Juan County, New Mexico</p>
<p>4. Source and Description of Waste</p> <p>788L Tank bottoms &amp; tank wash fluids from a produced water fiberglass pit tank that needed to be cleaned in order to be taken out of service &amp; disposed of.</p>	

Monica D. Olson

Print Name

representative for :

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.

Signature (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician 599-3458

Date: 2-17-04

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 type="checkbox"/>	4. Generator: Energen Resources Corp.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site: Carson #1 SWD
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Riley
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) "D" Sec 26, T30N, R04W, Rio Arriba County	Project #03022-003
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:

Produced water, sand, and coal fines produced during the cleaning of storage tanks to perform internal inspection and repairs. All materials in the tanks have been downhole.

CWS attached.

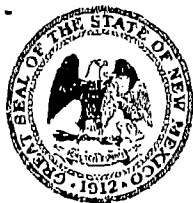
Estimated Volume ~45bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: February 19, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Zent</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-2-4</u>



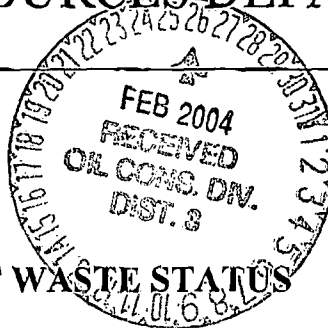
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division**CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address <b>Energen Resources Corporation</b> <b>2198 Bloomfield Highway</b> <b>Farmington, NM 87401</b>	2. Destination Name: <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>ERC Carson #1 SWD</b> <b>Produced water storage tank battery</b> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <b>Letter "D" section 26, T30N, R4W Rio Arriba County</b>
4. Source and Description of Waste  <b>Produced water, sand, and coal fines produced during the cleaning of storage tanks to perform internal inspection and repairs. All materials in the tanks have been down-hole.</b>	

I, **Larry M. Brooks** representative for :  
Print Name

**Energen Resources Corporation** 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: **Production Foreman**

Phone Number: **505-326-6131**

Date: **2/19/2004**

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  
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to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips 5. Originating Site: Redfern #4
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Scat/Flint
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) "T" Sec 16, T28N, R11W, Rio Arriba	Project #96052-084
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:

Tank bottoms and fresh water tank wash fluids from cleaning out a produced water pit tank in order to have proper operations. Material will also include soil stained with produced water/condensate/oil from an earthen pit that a fiberglass pit was in. The fiberglass pit was removed for a larger, new steel pit tank to be installed. In preparing the surface and earthen pit for the steel pit to sit in, stained soil was discovered. Material is probably from a "legacy" spill or drilling pit.

CWS for tank bottoms and CWS for soil attached.

Estimated Volume ~15bbls/50cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: February 20, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Henry Zant</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-2-04</u>



# 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 ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Redfern #4  API #30-045-07441 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit I, Section 16, T28N, R11W 1580' FSL & 1010' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste 15 BBL tank bottoms and tank wash from cleaning out produced water pit tank in order to have proper operations.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: February 18, 2004



# 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): Redfern #4  API #30-045-07441 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit I, Section 16, T28N, R11W 1580' FSL & 1010' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste Up to 50 cy soil stained with produced water/condensate/oil from an earthen pit in which a fiberglass pit was in. The fiberglass pit was removed for a larger new steel pit tank to be installed. In preparing the surface and earthen pit for the steel pit to sit in, stained soil was discovered, probably from a "legacy" spill or drilling pit.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: February 20, 2004



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

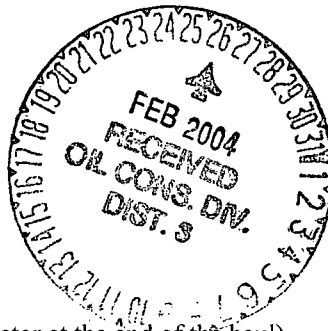
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 #18
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) "M" Sec 25, T28N, R7W, Rio Arriba	Project #96052-086
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:

Tank bottoms and fresh wash water from cleaning out produced water pit tank in order to replace the pit tank.

CWS attached.



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

SIGNATURE

*Landrea R. Jackson*  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: February 20, 2004

TYPE OR PRINT NAME: Landrea Jackson

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

*Denny Zant*

TITLE:

*Environ/Engr*

DATE:

*2/27/04*

APPROVED BY:

*R. O'Keefe*

TITLE:

*g. colapost*

DATE:

*3-2-4*



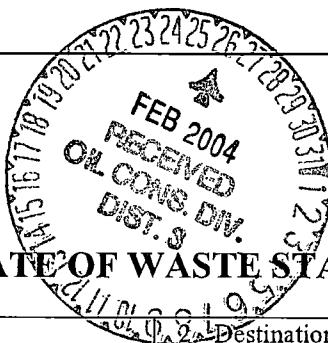
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**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	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 Unit #18  API # 30-039-07289 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit M, Section 25, T28N, R7W 990' FSL & 990' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms and tank wash from cleaning out produced water pit tank in order to replace pit tank with a new tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

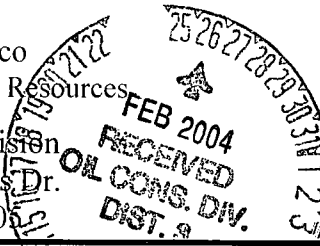
Date: February 20, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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Revised March 17, 1999

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District Office



## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 #91
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) "B" Sec 34, T28N, R7W, Rio Arriba	Project #96052-085
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:

Tank bottoms and fresh wash water from cleaning out a produced water pit tank in order to perform repairs to the tank.

CWS attached.

Estimated Volume ~20bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE

Sandra R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: February 20, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Denny Fuent  
K. P. [Signature]

TITLE:

Enviro/Engr  
geologist

DATE:

2/27/04

DATE:

3-2-4



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

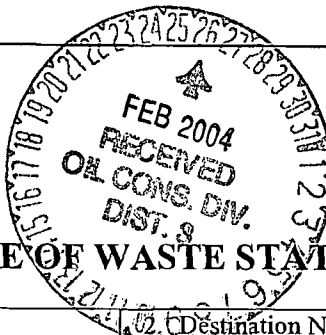
Governor

**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): San Juan 28-7 Unit #91  API # 30-039-07270 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit B, Section 34, T28N, R7W 836' FNL & 1544' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms and tank wash from cleaning out produced water pit tank in order to perform repairs to the tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: February 20, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 #52  6. Transporter: Scat  8. State: New Mexico  Project #96052-087
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) "H" Sec 27, T28N, R7W, Rio Arriba	
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:

Tank bottoms and fresh wash water from cleaning out produced water pit tank in order to repair the pit tank.

CWS attached.

Estimated Volume ~10bbls/cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: February 20, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Feant</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-2-4</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

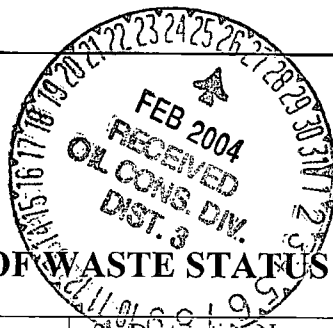
Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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 28-7 Unit #52  API # 30-039-07315 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit H, Section 27, T28N, R7W 1840' FNL & 990' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms and tank wash from cleaning out produced water pit tank in order to repair pit tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: February 20, 2004

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

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Oil Conservation Division  
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Santa Fe, NM 87505

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Revised March 17, 1999

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Elm Ridge Resources 5. Originating Site: CBU Water Station
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) "E" Sec 5, T25N, R12W, San Juan County	Project #03056-005
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:

Produced water tank bottoms and fresh wash water being cleaned out for proper operations.

CWS attached.

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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 19, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro Eng</u>	DATE: <u>2/27/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-02-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

03056-005

**BILL RICHARDSON**

Governor

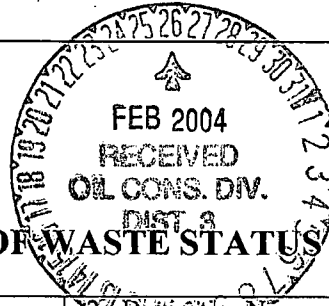
Joanna Prukop

Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division

**CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address <i>Elm Ridge P.O. Box 189 Farmington N.M.</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>C.B.U. WATER STATION</i>	Location of the Waste (Street address &/or ULSTR): <i>"E" Sec 5, T25N, R12W, Per Mr. Humphrey San Juan County 2125704.-dy</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Produced water tank bottoms and fresh wash water being cleaned out for proper operations. Per Mr. Humphrey TANK BOTTOMS 2119104.-dy</i>	

I, *Mark Humphrey* representative for :  
Print Name

*Elm Ridge* 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)

☒ *2119104* EXEMPT oilfield waste

☒ *2119104* 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: *Foreman*Phone Number: *505-330-9401 Office 505-632-3476*Date: *2-19-04*



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

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Revised March 17, 1999

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Robert L. Bayless  5. Originating Site: Tocito Dome Tank Battery  6. Transporter: TBA  8. State: New Mexico  Project #92102-012 010
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) NE/4, Sec 20, T16N, R20W, 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:

Spent Sulfatreat material. Gray gravel-like material containing iron pyrite.

CWS attached.

Re-Submittal – Material was previously approved on 2/2/04 but was not received during calendar month.

Estimated Volume 7 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Engnr DATE: 3/3/04  
APPROVED BY: K. D. Pyle TITLE: geologist DATE: 3-3-4



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

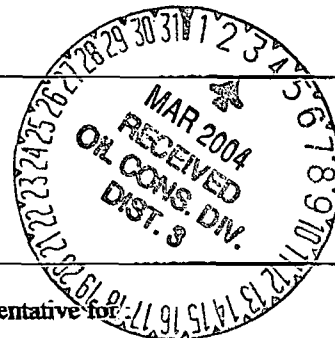
Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Robert L. Bayless Producer LLC PO Box 168 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Tocito Dome Tank Battery: NE/4, Section 20, T16N, R20W, San Juan County, NM	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste 7 CY spent Sulfatreat material. Gray gravel-like material containing iron pyrite.	



I, Tom McCarthy representative for Robert L. Bayless Producer LLC  
Print Name

Robert L. Bayless Producer 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)

XX EXEMPT oilfield waste

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

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

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

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

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

Name (Original Signature): Tom McCarthy

Title: Engineer

Phone Number: (505) 326-2659

Date: 3/1/2004

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

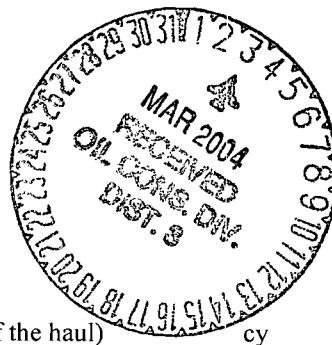
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Patina San Juan, Inc.
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Candado #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "M" Sec 15, T26N, R7W, 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:

Emulsion and production contaminated water from separator wash out. Material is fresh water contaminated with coal fines, paraffin, rust, etc.

CWS attached.



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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 26, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Eng DATE: 3/3/04  
APPROVED BY: R. Lopez TITLE: Geo/Logist DATE: 3-5-4



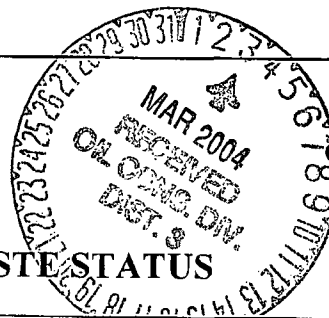
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <b>Patina San Juan, Inc.</b> <b>5802 US Hwy 64</b> <b>Farmington, NM 87401</b>	2. Destination Name <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name):  <b>CANDADO #1</b> <b>RIO ARRIBA COUNTY</b>	Location of the Waste (Street address &/or ULSTR):  <b>"m" Sec 15, T 26N, R 7W</b> <b>2/26/04</b>
attach list of originating sites as appropriate	
4. Source and Description of Waste <b>Separator Residue - Emulsion production contaminated fresh wash</b> <b>Tank clean out at San Juan River Tank</b> <b>water. 2/26/04</b>	

I, **RODNEY L. SEALE** representative for :  
Print Name

**Patina San Juan, 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): **Rodney L. Seale**

Title: **District Manager**

Phone Number: **505-632-8056**

Date: **2-26-04**

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
801 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

RE . I

New Mexico

Energy Minerals and Natural Resources

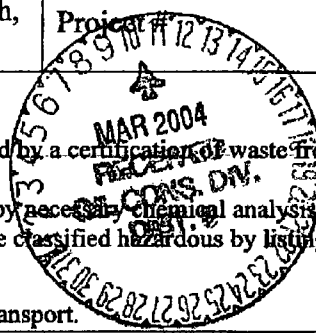
Form C-138  
Revised March 17, 1999

MAR 12 2004  
Oil Conservation Division  
1220 S. Saint Francis Dr. Santa Fe, NM 87505

Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: El Paso Natural Gas Co.  5. Originating Site: Goldsmith Pipeline District
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: Texas to Arizona to New Mexico
7. Location of Material (Street Address or ULSTR) 2 miles west of Goldsmith, TX, on State Route 302	
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:

Pigging sludge with slight NORM contamination generated during pigging of a natural gas transportation line (material has been through refining). Material was generated in Goldsmith, Texas, transported with waste shipment to Phoenix, Arizona, for disposal but did not meet Arizona NORM requirements. Now requesting approval to dispose in New Mexico at Envirotech's facility.

CWS and analytical attached.

Estimated Volume 7bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 5, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>3/11/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>3/15/04</u>

031564-1

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

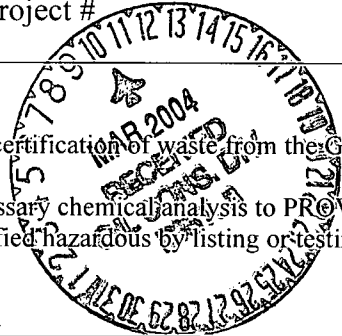
State of New Mexico  
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Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
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: El Paso Natural Gas Co.  5. Originating Site: Goldsmith Pipeline District  6. Transporter: TBA  8. State: Texas to Arizona to New Mexico  Project #
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) 2 miles west of Goldsmith, TX, on State Route 302	
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:

Pigging sludge with slight NORM contamination generated during pigging of a natural gas transportation line (material has been through refining). Material was generated in Goldsmith, Texas, transported with waste shipment to Phoenix, Arizona, for disposal but did not meet Arizona NORM requirements. Now requesting approval to dispose in New Mexico at Envirotech's facility.

CWS and analytical attached.

Estimated Volume 7bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 5, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Kent</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>3/11/04</u>
APPROVED BY: _____	TITLE: _____	DATE: _____



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Frusop  
Cabinet Secretary



**Lori Wrotenbery**  
Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>EL PASO NATURAL GAS COMPANY 1550 WINDWAY DRIVE DRESSA, TX 79761</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>Guadalupe pipeline district</i>	Location of the Waste (Street address &/or ULSIR): <i>2 miles west of Guadalupe, TX on STATE ROUTE 302</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Digging shale from pipeline &amp; casing Natural gas transportation line. Has been through refining.</i>	

I, ROBERT A. ST. JOHN

Print Name

representative for :

EL PASO NATURAL GAS 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): [Signature]

Title: PRINCIPAL ENV. SCIENTIST

Phone Number: 432-686-3268

Date: February 3, 2004

*Lotus, LLC  
Andrews,  
Texas*

Feb. 9. 2004 7:10:28 AM

No. 94980 P. 2/220

09/08/03

## El Paso Natural Gas Gold Smith TX

- Sample 47169 - 3 DM Non Haz Sludge, Line 1105
- Sample 47170 - 1 DM Haz Sludge (methenol)  
Ignitability(<140f)
- Sample 47171 - 1 DM Haz Sludge (methenol)  
Ignitability(<140f)
- Sample 47172 - 1 DM Non Haz Sludge, Line 3173
- Sample 47173 - 2 DM (Regulated NORM >150pci/g) Line 3173
- Sample 47174 - 4 DM Non Haz Sludge, Line 3116
- Sample 47175 - 4 DM Haz Sludge (Mucury, Benzene) Line 1600
- Sample 47176 - 2 DM Haz Sludge (benzene) Line 1600
- Sample 45027 - 2 DM Haz Sludge (Benzene) Line 3082
- Sample 47481 - 4 DM Non Haz, Line 2000
- Sample 47223 - 1 DM Non Haz, Line 3114
- Sample 47224 - 1 DM Haz Sludge, (Benzene) Line 3114
- Sample 45207 - 1 DM Haz? Sludge, Dirt Line 3082
- 1 DM pigging disk
- 4 DM Empty (crush)
- Sample 45026 - 350 bl. Pigging sludge, Haz (Benzene) frac tank, Line 3082





# Memorandum

Sample Number	Sample Date	Matrix	Sample Description	Analysis	Results
47169 #1	7-10-2003	Sludge	Line 1105 sludge	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous → 14
47170 #2	7-10-2003	Sludge	Unknown drum	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Hazardous (<140 F) Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous
47171 #3	7-10-2003	Sludge	Unknown drum	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Hazardous (<140 F) Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous
47172 #4	7-10-2003	Sludge	Line 3173 liquid	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous
47173 #5	7-10-2003	Sludge	Line 3173 Line sludge	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Regulated (>150 pci/g)



# Memorandum

Sample Number	Sample Date	Matrix	Sample Description	Analysis	Results
47174 #6	7-10-2003	Sludge	Line 3116 line sludge	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous Non hazardous → 40.3
47175 #7	7-10-2003	Sludge	Line 1600 sludge	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Hazardous (Hg > 0.2 mg/l) Hazardous (Benzene > 0.5 mg/l) Non hazardous Non hazardous
47176 #8	7-10-2003	Sludge	Line 1600 liquid	Ignitability Corrosivity Reactivity TCLP Metals Volatiles PCBs NORM	Non hazardous Non hazardous Non hazardous Non hazardous Hazardous (Benzene > 0.5 mg/l) Non hazardous Non hazardous



## LABORATORY SERVICE REPORT

REQUESTOR: McFarland, Donnie  
Odessa, TX

REPORT DATE: 8/2/2003  
REQUEST NO: 2003070841  
APPROVED BY: Darrell Campbell

DISTRIBUTION: St John, Robert; Whitacy, Mark; Carrasco, Tom; Vega, Eddie

PERFORMED BY: Accutest

Request Description: Waste Drums at Goldsmith  
Date Received: 7/11/2003  
Date Completed: 8/1/2003

Sample No: 1	Lab ID: 47169	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 8:30:00 AM
Description: Analysis: WP TCLP & NORM Anal (Solid) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 1105 Line Sludge			
Sample No: 2	Lab ID: 47170	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 8:40:00 AM
Description: Analysis: WP TCLP & NORM Anal (Oil) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - Unknown Drum			
Sample No: 3	Lab ID: 47171	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 8:50:00 AM
Description: Analysis: WP TCLP & NORM Anal (Oil) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - Unknown Drum			
Sample No: 4	Lab ID: 47172	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 9:00:00 AM
Description: Analysis: WP TCLP & NORM Anal (Oil) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 3173 Line Liquid			
Sample No: 5	Lab ID: 47173	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 9:10:00 AM
Description: Analysis: WP TCLP & NORM Anal (Solid) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 3173 Line Sludge			
Sample No: 6	Lab ID: 47174	Sampled By: Darrell Campbell	Sample Date: 7/10/2003 9:20:00 AM
Description: Analysis: WP TCLP & NORM Anal (Solid) Purpose: Disposal/Environmental Concerns Matrix: Sludge Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 3116 Line Sludge			

ORIGINAL

This report has been prepared for the private and exclusive use of El Paso Corporation and its affiliates and its delivery to any other person is upon the expressed understanding and condition that no representation or warranty, expressed or implied, are contained herein with respect to any of the information set forth in the report. If the purpose of this sample(s) is "External Corrosion", "Internal Corrosion", and/or "Digging Stopper", the interpretation of this report is the responsibility of Pipeline Services. Field Operations will only be contacted by Pipeline Services if the results require any action to be taken.

Feb. 4. 2004-12:39PM

No. 9353

P. 8/12

08/26/2003 10:45 FAX

5/015

Sample No: 7 Lab ID: 47175 Sampled By: Darrell Campbell

Sample Date: 7/10/2003 9:30:00 AM

Description:

Analysis: WP TCLP & NORM Anal (Solid)

Purpose: Disposal/Environmental Concerns

Matrix: Sludge

Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 1600 Line Sludge

Sample No: 8 Lab ID: 47176 Sampled By: Darrell Campbell

Sample Date: 7/10/2003 9:40:00 AM

Description:

Analysis: WP TCLP & NORM Anal (Oil)

Purpose: Disposal/Environmental Concerns

Matrix: Sludge

Location: EPNG - Midland - Odessa - Goldsmith - 0+0 - Goldsmith Drum Storage - 1600 Line Liquid

Data: See attached sheet(s).

Comments:

Request: 2003070844



Sample:

1 2 3 7

TCLP Characteristics

Ignitability

Ignitability

>210 >210 >210

150

Corrosivity

pH

SU

6.40 6.20 8.30 6.80

Reactivity

Cyanide(Reactive)

mg/Kg

< 0.4 < 0.4 < 0.5 < 0.4

Sulfide(Reactive)

mg/Kg

< 9.0 < 9.0 < 9.0 < 8.0

TCLP Metals

Arsenic

mg/l

0.12 < 0.10 < 0.10 1.5

Barium

mg/l

0.54 0.28 0.25 1.2

Cadmium

mg/l

< 0.040 < 0.040 < 0.040 < 0.040

Chromium

mg/l

< 0.20 < 0.20 < 0.20 0.29

Lead

mg/l

< 0.10 < 0.10 < 0.10 < 0.10

Mercury

mg/l

0.049 0.061 0.044 2.6

Selenium

mg/l

< 0.10 < 0.10 < 0.10 < 0.10

Silver

mg/l

< 0.050 < 0.050 < 0.050 < 0.050

TCLP 8260

1,1-Dichloroethane

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

1,2-Dichloroethane

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

1,4-Dichlorobenzene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Benzene

mg/l

0.0728 < 0.050 < 0.050 2.16

2-Butanone

mg/l

< 0.50 < 0.10 < 0.10 < 10.0

Carbon Tetrachloride

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

Chlorobenzene

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

Chloroform

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

Tetrachloroethene

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

Trichloroethene

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

Vinyl Chloride

mg/l

< 0.25 < 0.050 < 0.050 < 5.0

TCLP 8270

1,4-Dichlorobenzene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

2,4,5-Trichlorophenol

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

2,4,6-Trichlorophenol

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

2,4-Dinitrotoluene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

2-Methylphenol

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

3 & 4-Methylphenol, Total

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Hexachlorobenzene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Hexachlorobutadiene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Hexachlorocyclopentadiene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Nitrobenzene

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

Pentachlorophenol

mg/l

< 0.25 < 0.25 < 0.25 < 1.0

Pyridine

mg/l

< 0.050 < 0.050 < 0.050 < 0.20

PCB Analysis

Aroclor 1016

mg/Kg

< 0.180 < 0.180 < 0.180 < 0.170

Aroclor 1221

mg/Kg

< 0.180 < 0.180 < 0.180 < 0.170

Request: 2000707044

No. 9353 P. 10

Samples:  
Aroclor 1231  
Aroclor 1242  
Aroclor 1248  
Aroclor 1254  
Aroclor 1260  
NORM Analysis  
Lead-210  
Lead-RPU

mg/Kg  
mg/Kg  
mg/Kg  
mg/Kg  
mg/Kg  
mg/Kg

< 0.180  
< 0.180  
< 0.180  
< 0.180  
< 0.180  
< 0.180

< 0.180  
< 0.180  
< 0.180  
< 0.180  
< 0.180  
< 0.180

< 0.190  
< 0.190  
< 0.190  
< 0.190  
< 0.190  
< 0.190

< 0.170  
< 0.170  
< 0.170  
< 0.170  
< 0.170  
< 0.170

14.0  
17.4

684.2  
2.9

40.3  
10.2

92.6  
7.6

7 drums total From  
Sample #1 And Sample #6

Request: 2003070844

Sample:

2

3

4

8

TCLP Characteristics

Ignitability

Flash Point

"F

120

95

190

> 210

Corrosivity

pH

SU

6.0

12.6

11.0

6.6

Reactivity

Cyanide(Reactive)

mg/Kg

< 0.4

< 0.4

< 0.4

< 0.4

Sulfide(Reactive)

mg/Kg

< 8.0

< 8.0

< 8.0

< 8.0

TCLP Metals

Arsenic

mg/l

< 0.10

< 0.10

< 0.10

< 0.10

Barium

mg/l

< 0.10

< 0.10

< 0.10

0.16

Cadmium

mg/l

< 0.040

< 0.040

< 0.040

< 0.040

Chromium

mg/l

< 0.20

< 0.20

< 0.20

< 0.20

Lead

mg/l

< 0.10

< 0.10

< 0.10

< 0.10

Mercury

mg/l

< 0.0040

< 0.0040

0.01

< 0.0040

Selenium

mg/l

< 0.10

< 0.10

< 0.10

< 0.10

Silver

mg/l

< 0.050

< 0.050

< 0.050

< 0.050

TCLP 8260

1,1- Dichloroethene

mg/l

< 0.050

< 2.5

< 0.25

< 0.3

1,2 Dichloroethane

mg/l

< 0.050

< 2.5

< 0.25

< 0.3

1,4- Dichlorobenzene

mg/l

< 0.050

< 2.5

< 0.25

< 0.3

Benzene

mg/l

< 0.050

< 2.5

< 0.25

0.627

2-Butanone

mg/l

< 0.10

< 5.0

< 0.50

< 1

Carbon Tetrachloride

mg/l

< 0.050

< 2.5

< 0.25

< 0.25

Chlorobenzene

mg/l

< 0.050

< 2.5

< 0.25

< 0.25

Chloroform

mg/l

< 0.050

< 2.5

< 0.25

< 0.25

Tetrachloroethene

mg/l

< 0.050

< 2.5

< 0.25

< 0.3

Trichloroethene

mg/l

< 0.050

< 2.5

< 0.25

< 0.3

Vinyl Chloride

mg/l

< 0.050

< 2.5

< 0.25

< 0.25

TCLP 8270

1,4- Dichlorobenzene

mg/l

< 490

< 0.50

< 50

< 49

2,4,5- Trichlorophenol

mg/l

< 490

< 0.50

< 50

< 49

2,4,6- Trichlorophenol

mg/l

< 490

< 0.50

< 50

< 49

2,4- Dinitrotoluene

mg/l

< 490

< 0.50

< 50

< 49

2-Methylphenol

mg/l

< 490

< 0.50

< 50

< 49

3 & 4-Methylphenol, total

mg/l

< 490

< 0.50

< 50

< 49

Hexachlorobenzene

mg/l

< 490

< 0.50

< 50

< 49

Hexachlorobutadiene

mg/l

< 490

< 0.50

< 50

< 49

Hexachlorocyclopentadiene

mg/l

< 490

< 0.50

< 50

< 49

Nitrobenzene

mg/l

< 490

< 0.50

< 50

< 49

Pentachlorophenol

mg/l

< 2400

< 2.5

< 250

< 240

Pyridine

mg/l

< 490

< 0.50

< 50

< 49

PCR Analysis

Aroclor 1016

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

Aroclor 1221

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

.627

Feb. 4, 2004, 12:40PM

No. 9353

P. 12/12

08/26/2003 TUE 15:43 FAX

008/013

Request: 2003070844

Sample:

Aroclor 1232

mg/Kg

1

< 0.500

2

< 0.500

3

< 5.000

4

< 5.0

Aroclor 1242

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

Aroclor 1248

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

Aroclor 1254

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

Aroclor 1260

mg/Kg

< 0.500

< 0.500

< 5.000

< 5.0

NORM Analysis

Lead-210

pCi/g

< 5.0

< 5.0

< 5.0

< 5.0

Lead- RPU

%

NA

NA

NA

NA



Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID:	1	Date Sampled:	07/10/03
Lab Sample ID:	T4827-1	Date Received:	07/14/03
Matrix:	SO - Solid	Percent Solids:	93.1
Method:	SW846 8270C SW846 1311		
Project:	2003070844		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A05001.D	1	07/21/03	SC	07/19/03	OP2315	EA523
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

## ABN TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.25	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.050	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.050	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.050	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.050	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-91%
4165-62-2	Phenol-d5	35%		10-94%
118-79-6	2,4,6-Tribromophenol	70%		27-125%
4165-60-0	Nitrobenzene-d5	74%		34-111%
321-60-8	2-Fluorobiphenyl	75%		32-108%
1718-51-0	Terphenyl-d14	90%		43-121%

ND = Not detected

MCL = Maximum Contamination Level (40 CFR 261.6/96)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID:	1	
Lab Sample ID:	T4827-1	Date Sampled: 07/10/03
Matrix:	SO - Solid	Date Received: 07/14/03
Method:	SW846 8082 SW846 3550B	Percent Solids: 93.1
Project:	2003070844	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG14425.D	10	07/30/03	GP	07/18/03	OP2309	GGG429
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

## PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	180	ug/kg	
11104-28-2	Aroclor 1221	ND	180	ug/kg	
11141-16-5	Aroclor 1232	ND	180	ug/kg	
53469-21-9	Aroclor 1242	ND	180	ug/kg	
12672-29-6	Aroclor 1248	ND	180	ug/kg	
11097-69-1	Aroclor 1254	ND	180	ug/kg	
11096-82-5	Aroclor 1260	ND	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		34-138%
2051-24-3	Decachlorobiphenyl	34%		27-140%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID:	1	Date Sampled:	07/10/03
Lab Sample ID:	T4827-1	Date Received:	07/14/03
Matrix:	SO - Solid	Percent Solids:	93.1
Project:	2003070844		

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	0.12	D004	5.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Barium	0.54	D005	100	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Cadmium	<0.040	D006	1.0	0.040	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Chromium <sup>a</sup>	<0.20	D007	5.0	0.20	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Lead	<0.10	D008	5.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Mercury <sup>a</sup>	0.049	D009	0.20	0.0040	mg/l	1	07/24/03	07/26/03 CB	SW846 7470A	SW846 7470A
Selenium	<0.10	D010	1.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Silver	<0.050	D011	5.0	0.050	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A

(a) Elevated reporting limit due to difficult sample matrix.

RL = Reporting Limit

MCL = Maximum Contamination Level (40 CFR 261 6/96)

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID: 1  
Lab Sample ID: T4827-1  
Matrix: SO - Solid  
Project: 2003070844

Date Sampled: 07/10/03  
Date Received: 07/14/03  
Percent Solids: 93.1

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	6.4			1	07/24/03 12:00	LC	SW846 CHAP7
Cyanide Reactivity	<0.40	0.40	mg/kg	40	07/23/03 09:00	LN	SW846 CHAP7
Ignitability (Flashpoint)	>210		Deg. F	1	07/28/03 15:20	LC	SW846 1010
Solids, Percent	93.1		%	1	07/17/03	LC	EPA 160.3 M
Sulfide Reactivity	<9.0	9.0	mg/kg	40	07/23/03 13:20	LN	SW846 CHAP7

RL = Reporting Limit

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID: 6

Lab Sample ID: T4827-6

Matrix: SO - Solid

Method: SW846 8260B

Project: 2003070844

Date Sampled: 07/10/03

Date Received: 07/14/03

Percent Solids: 87.1

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B106048.D	10	07/26/03	BC	07/28/03	OP2364	VB517
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.050	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.050	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.050	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.050	mg/l	
75-35-4	1,1-Dichloroethylene	ND	D029	0.70	0.050	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.050	mg/l	
78-93-3	Methyl ethyl ketone	ND	D035	200	0.10	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.050	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.050	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		88-114%
2037-26-5	Toluene-D8	102%		88-110%
460-00-4	4-Bromofluorobenzene	91%		88-115%
17060-07-0	1,2-Dichloroethane-D4	111%		81-122%

ND = Not detected

MCL = Maximum Contamination Level (40 CFR 261.6/96)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID: 6

Lab Sample ID: T4827-6

Matrix: SO - Solid

Method: SW846 8270C SW846 1311

Project: 2003070844

Date Sampled: 07/10/03

Date Received: 07/14/03

Percent Solids: 87.1

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A04993.D	1	07/21/03	SC	07/19/03	OP2315	EA523
Run #2							

Run #	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

## ABN TCLP Leachate

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.25	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.050	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.050	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.050	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.050	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-91%
4165-62-2	Phenol-d5	33%		10-94%
118-79-6	2,4,6-Tribromophenol	81%		27-125%
4165-60-0	Nitrobenzene-d5	75%		34-111%
321-60-8	2-Fluorobiphenyl	68%		32-108%
1718-51-0	Terphenyl-d14	83%		43-121%

ND = Not detected

MCL = Maximum Contamination Level (40 CFR 261 5/96)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID:	6		
Lab Sample ID:	T4827-6	Date Sampled:	07/10/03
Matrix:	SO - Solid	Date Received:	07/14/03
Method:	SW846 8082 SW846 3550B	Percent Solids:	87.1
Project:	2003070844		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	GG14463.D	10	07/31/03	GP	07/18/03	OP2309	GGG430
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

## PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	190	ug/kg	
11104-28-2	Aroclor 1221	ND	190	ug/kg	
11141-16-5	Aroclor 1232	ND	190	ug/kg	
53469-21-9	Aroclor 1242	ND	190	ug/kg	
12672-29-6	Aroclor 1248	ND	190	ug/kg	
11097-69-1	Aroclor 1254	ND	190	ug/kg	
11096-82-5	Aroclor 1260	ND	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		34-138%
2051-24-3	Decachlorobiphenyl	1479% <sup>b</sup>		27-140%

(a) Dilution needed due to high level of sulfur present in the sample. Sample was sulfur cleaned numerous times.

(b) Outside control limits due to dilution.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID: 6  
 Lab Sample ID: T4827-6  
 Matrix: SO - Solid  
 Project: 2003070844

Date Sampled: 07/10/03  
 Date Received: 07/14/03  
 Percent Solids: 87.1

## Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	<0.10	D004	5.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Barium	0.25	D005	100	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Cadmium	<0.040	D006	1.0	0.040	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Chromium <sup>a</sup>	<0.20	D007	5.0	0.20	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Lead	<0.10	D008	5.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Mercury <sup>a</sup>	0.044	D009	0.20	0.0040	mg/l	1	07/24/03	07/26/03 CB	SW846 7470A	SW846 7470A
Selenium	<0.10	D010	1.0	0.10	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A
Silver	<0.050	D011	5.0	0.050	mg/l	10	07/23/03	07/26/03 JA	SW846 6010B	SW846 3010A

(a) Elevated reporting limit due to difficult sample matrix.

RL = Reporting Limit

MCL = Maximum Contamination Level (40 CFR 261.6(g))



Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID: 6  
Lab Sample ID: T4827-6  
Matrix: SO - Solid  
Project: 2003070844

Date Sampled: 07/10/03  
Date Received: 07/14/03  
Percent Solids: 87.1

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	8.3			1	07/24/03 12:00	LC	SW846 CHAP7
Cyanide Reactivity	<0.50	0.50	mg/kg	40	07/23/03 09:00	LN	SW846 CHAP7
Ignitability (Flashpoint)	>210		Deg. F	1	07/28/03 15:20	LC	SW846 1010
Solids, Percent	87.1		%	1	07/17/03	LC	EPA 160.3 M
Sulfide Reactivity	<9.0	9.0	mg/kg	40	07/23/03 13:20	LN	SW846 CHAP7

RL = Reporting Limit

Accutest Laboratories

## GC/MS Volatiles

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

**Blank Spike Summary**

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2364-BS	B106045.D	10	07/26/03	BC	07/28/03	OP2364	VB517

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-5, T4827-6, T4827-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	250	215	86	77-128
108-90-7	Chlorobenzene	250	227	91	77-120
67-66-3	Chloroform	250	224	90	77-122
56-23-5	Carbon tetrachloride	250	241	96	73-135
75-35-4	1,1-Dichloroethylene	250	262	105	70-134
107-06-2	1,2-Dichloroethane	250	243	97	71-117
78-93-3	Methyl ethyl ketone	1250	1070	86	63-128
127-18-4	Tetrachloroethylene	250	228	91	69-134
79-01-6	Trichloroethylene	250	242	97	75-128
75-01-4	Vinyl chloride	250	258	103	72-139

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	88-114%
17060-07-0	1,2-Dichloroethane-D4	105%	81-122%
2037-26-5	Toluene-D8	100%	88-110%
460-00-4	4-Bromofluorobenzene	99%	88-115%

## Blank Spike Summary

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB519-BS	B106064.D	1	07/27/03	BC	n/a	n/a	VB519

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	21.4	86	77-128
108-90-7	Chlorobenzene	25	23.0	92	77-120
67-66-3	Chloroform	25	21.2	85	77-122
56-23-5	Carbon tetrachloride	25	20.0	80	73-135
75-35-4	1,1-Dichloroethylene	25	25.1	100	70-134
107-06-2	1,2-Dichloroethane	25	21.8	87	71-117
78-93-3	Methyl ethyl ketone	125	94.5	76	63-128
127-18-4	Tetrachloroethylene	25	23.7	95	69-134
79-01-6	Trichloroethylene	25	23.6	94	75-128
75-01-4	Vinyl chloride	25	26.5	106	72-139

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	88-114%
17060-07-0	1,2-Dichloroethane-D4	107%	81-122%
2037-26-5	Toluene-D8	101%	88-110%
460-00-4	4-Bromofluorobenzene	99%	88-115%

## Leachate Blank Summary

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP2364-MB a	B106046.D	10	07/26/03	BC	07/28/03	OP2364	VB517

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-1, T4827-5, T4827-6, T4827-7

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	50	ug/l	
108-90-7	Chlorobenzene	ND	50	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	ug/l	
78-93-3	Methyl ethyl ketone	ND	100	ug/l	
127-18-4	Tetrachloroethylene	ND	50	ug/l	
79-01-6	Trichloroethylene	ND	50	ug/l	
75-01-4	Vinyl chloride	ND	50	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	88-114%
17060-07-0	1,2-Dichloroethane-D4	109%	81-122%
2037-26-5	Toluene-D8	100%	88-110%
460-00-4	4-Bromofluorobenzene	98%	88-115%

(a) Shared QC with batch VB522.

## Method Blank Summary

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB519-MB	B106065.D	1	07/27/03	BC	n/a	n/a	VB519

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-1

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	88-114%
17060-07-0	1,2-Dichloroethane-D4	107%	81-122%
2037-26-5	Toluene-D8	99%	88-110%
460-00-4	4-Bromofluorobenzene	98%	88-115%

## Matrix Spike Summary

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T4827-1MS <sup>a</sup>	B106081.D	500	07/27/03	BC	n/a	n/a	VB519
T4827-1	B106079.D	50	07/27/03	BC	07/28/03	OP2364	VB519

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-1

CAS No.	Compound	T4827-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
71-43-2	Benzene	72.8	J	12500	10100	80*	82-124
108-90-7	Chlorobenzene	ND		12500	11300	90	85-112
67-66-3	Chloroform	ND		12500	11000	88	83-118
56-23-5	Carbon tetrachloride	ND		12500	9560	76*	78-136
75-35-4	1,1-Dichloroethylene	ND		12500	11500	92	72-136
107-06-2	1,2-Dichloroethane	ND		12500	11100	89	74-118
78-93-3	Methyl ethyl ketone	ND		62500	48400	77	58-127
127-18-4	Tetrachloroethylene	ND		12500	10900	87	80-127
79-01-6	Trichloroethylene	ND		12500	10400	83	81-124
75-01-4	Vinyl chloride	ND		12500	11700	94	72-140

CAS No.	Surrogate Recoveries	MS	T4827-1	Limits
1868-53-7	Dibromofluoromethane	103%	105%	88-114%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	81-122%
2037-26-5	Toluene-D8	99%	100%	88-110%
460-00-4	4-Bromofluorobenzene	97%	99%	88-115%

(a) TCLP MSD was not analyzed due to instrument failure. Batch MS/MSD for water samples were analyzed.

## Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: T4827

Account: EPASTXEP El Paso Corporation - El Paso, TX

Project: 2003070844

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T4827-5MS	B106060.D	10	07/26/03	BC	n/a	n/a	VB517
T4827-5MSD	B106061.D	10	07/26/03	BC	n/a	n/a	VB517
T4827-5	B106047.D	10	07/26/03	BC	07/28/03	OP2364	VB517

The QC reported here applies to the following samples:

Method: SW846 8260B

T4827-5, T4827-6, T4827-7

CAS No.	Compound	T4827-5 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	250	211	84	211	84	0	82-124/10
108-90-7	Chlorobenzene	ND	250	226	90	240	96	6	85-112/10
67-66-3	Chloroform	ND	250	237	95	243	97	3	83-118/11
56-23-5	Carbon tetrachloride	ND	250	197	79	214	86	8	78-136/12
75-35-4	1,1-Dichloroethylene	ND	250	253	101	284	114	12	72-136/12
107-06-2	1,2-Dichloroethane	ND	250	243	97	253	101	4	74-118/11
78-93-3	Methyl ethyl ketone	ND	1250	971	78	980	78	1	58-127/15
127-18-4	Tetrachloroethylene	ND	250	243	97	236	94	3	80-127/11
79-01-6	Trichloroethylene	ND	250	239	96	248	99	4	81-124/10
75-01-4	Vinyl chloride	ND	250	252	101	304	122	19*	72-140/18

CAS No.	Surrogate Recoveries	MS	MSD	T4827-5	Limits
1868-53-7	Dibromofluoromethane	108%	112%	101%	88-114%
17060-07-0	1,2-Dichloroethane-D4	106%	110%	107%	81-122%
2037-26-5	Toluene-D8	97%	92%	100%	88-110%
460-00-4	4-Bromofluorobenzene	87%*	90%	98%	88-115%



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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

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Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: Sunnyside CPD
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Flint
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: Colorado
7. Location of Material (Street Address or ULSTR) "E" Sec 9, T33N, R9W, La Plata County, Colorado	Project #96052-089
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:

Gravel stained with slop oil (85% produced water, 15% compressor oil) from a 3 gallon spill from the slop tank that overflowed.

CWS attached.

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

SIGNATURE Sandrea R. Cupps TITLE: Landfarm Manager DATE: March 24, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Zearf</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>qed/0915t</u>	DATE: <u>3-31-04</u>



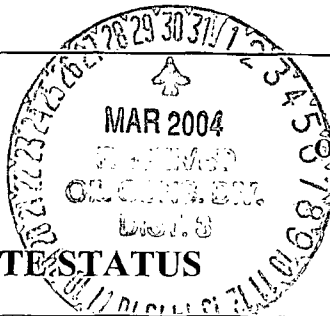
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary



**Lori Wrotenbery**

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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): Sunnyside CPD	Location of the Waste (Street address &/or ULSTR): Unit E, Section 9, T33N, R9W La Plata County, Colorado
attach list of originating sites as appropriate	
4. Source and Description of Waste Up to 16 cy gravel stained with slop oil (85% produced water, 15% compressor oil) from a 3 gallon spill from the slop tank, which overflowed on 2-2-04. Also gravel from a slop tank overflow that occurred on 11-10-03. The berm was lined, so no soil was impacted.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: March 22, 2004



San Juan Operations  
5525 Hwy 64  
Farmington, NM 87401

## FAX

**Date:** March 22, 2004

**No. of pages including cover sheet:** 2

**To:** Donna Stoner

**Company:** CDPHE

**Location:** Grand Junction, CO

**Phone:** 970-248-7168

**Fax:** 970-248-7198

**From:** Monica D. Olson

**Department:** San Juan HSE

**Phone:** 505-599-3458

**Fax:** 505-599-3442

**Remarks:** Urgent    X For your review    Reply ASAP    Please Comment

Ms. Stoner,

This is to inform you that we will be hauling stained gravel from our Sunnyside Compressor Station located in La Plata County, CO to Envirotech Landfarm near Farmington, NM. We will be hauling several cubic yards (~16) of gravel stained by fluids from a slop tank (produced water and used compressor oil) that overflowed due to our contract trucking company being late to location when the tank contents needed to be pulled. This spill occurred at this location on 2/2/04. The tank contained RCRA exempt oilfield waste.

As always, I am including the NMOCD Certificate of Waste Status form for your information.

Please let me know if you have any questions or comments. Thank you!

Monica D. Olson  
HSE & Regulatory Technician  
ConocoPhillips Company  
5525 Hwy. 64  
Farmington, NM 87401  
Phone: 505-599-3458

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips 5. Originating Site: Scott #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 2, T29N, R13W, San Juan County	Project #96052-037-002
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:

Tank bottoms and fresh tank wash water from cleaning out a fiberglass produced water pit tank in order to replace the tank with a steel pit tank.

CWS attached.

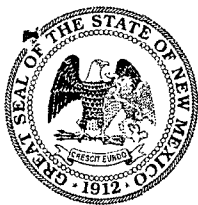
Estimated Volume ~20 bbl cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 30, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Dennis Foyt</u>	TITLE: <u>Env. Mgr / Engr</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>q-collector</u>	DATE: <u>3-31-04</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 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): Scott #1  API # 30-045-13094 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit K, Section 2, T29N, R13W 2220' FSL & 1450' FWL San Juan County, New Mexico
4. Source and Description of Waste Up to 20 BBL tank bottoms and tank wash from cleaning out a fiberglass produced water pit tank in order to replace tank with a steel pit tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: March 23, 2004

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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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: CDX Rockies, LLC 5. Originating Site: Roadside 19 SF #1
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Dawn
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 19, T19N, R5W, McKinley County	Project # 03040-003
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:

Fresh water drilling mud (fluids with solids). All material has been downhole. Running out of room for material in pit.  
CWS attached.

Estimated Volume 200bbl cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 8, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

*Held for Title  
on CWS*

(This space for State Use)		
APPROVED BY: <u>Denny Jant</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>R. J. Phil</u>	TITLE: <u>geologist</u>	DATE: <u>3-31-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

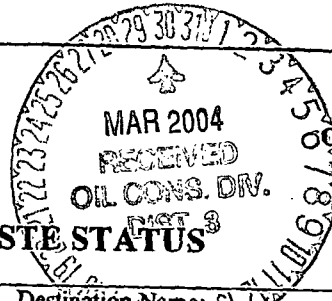
03040-003

BILL RICHARDSON

Governor

Joanna Prukop  
Cabinet SecretaryLori Wrotenbery  
Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <b>CDX GAS</b> <b>5485 BELTLINER A. #190</b> <b>DALLAS, TX. 75254</b>	2. Destination Name: <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>ROADSIDE 19 SF #1 - MCKINLEY CO., NM.</b> attach list of originating sites as appropriate <b>SEC 19 - T 19N - R 5W</b>	
4. Source and Description of Waste <b>Fresh water</b> <b>DRILLING MUD (FLUID w/ SOLIDS)</b> <b>material has been downhole</b>	

I, **BRUCE BAYOND**

Print Name

representative for :

**CDX Rockies**

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:

Phone Number:

Date:

*[Signature]* Senior  
**COMPANY MAN** ~~THE~~ **Drilling Engineer**

1/8/03

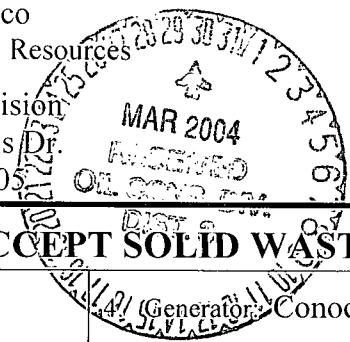
970-640-3649

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Revised March 17, 1999

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: Conoco Phillips 5. Originating Site: Jicarilla 28 #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) "J" Sec 28, T25N, R4W, Rio Arriba County	Project #96052-091
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 stained with produced oily water from unexpected casing flow during rig operations on a fishing job.

CWS attached.

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

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 30, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Teant</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>R. E. [Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-31-04</u>





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

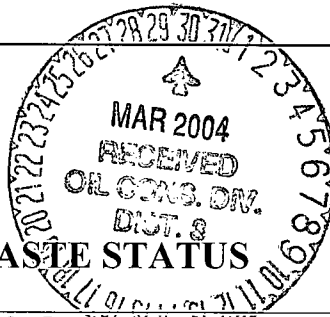
**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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): Jicarilla 28 #1  API # 30-039-05813 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit J, Section 28, T25N, R4W 1980' FSL & 1980' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste Approximately 3 cy soil stained with produced oily water from unexpected casing flow during rig operations on a fishing job.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: March 25, 2004

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

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

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input 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: AXI Apache M#6A
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Dawn Trucking
7. Location of Material (Street Address or ULSTR) "K" Sec 14, T25N, R4W, Rio Arriba 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:

Drilling mud water pulled to close out pit, after performing casing repair.

CWS attached.

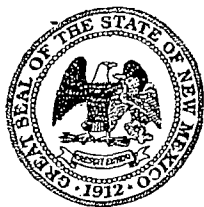
Estimated Volume 160bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 19, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Feunt</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-31-04</u>



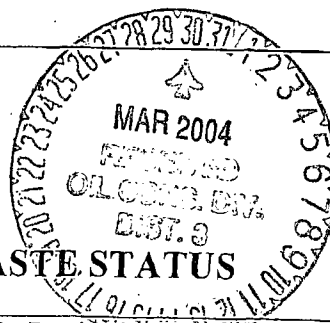
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary



**Lori Wrotenbery**

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): AXI Apache M#6A API # 30-039-25205 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit K, Sec. 14, T25N, R4W 1720' FSL & 1850' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste 160 BBL drilling mud water pulled to close out pit, after performing casing repair	

Monica D. Olson

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.

or 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 MAC 3.1 subpart 1403.C and D.

Signature (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician 599-3458

Date: 3-19-04

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 type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Generator: M&G Drilling
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: Hardie No. 68 well
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 990' FSL, 800' FWL, Sec 14, T29N, R12W, 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.		Project #04033-001

### BRIEF DESCRIPTION OF MATERIAL:

Compressor oil stained soil generated at the compressor end of reciprocating compressor (has been in contact with production stream).

CWS attached.

Estimated Volume 18 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 16, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Fegert</u>	TITLE: <u>Enviro/Eng'r</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>3-31-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Writenbery**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address M & G Drilling PO Box 168 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Hardie No. 68 well; 990' FSL & 800 FWL, Section 14, T29N, R12W, San Juan County, NM.	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste 18 CY compressor oil soaked soil. Oil from the compressor end of reciprocating compressor. <i>Has been in contact w/production stream-ly; 3/16/04</i>	

I, Kevin McCord *Kevin McCord* representative for :  
Print Name

M & G Drilling 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)

XX 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): *Kevin H. McCord*

Title: Engineer

Phone Number: (505) 326-2659

Date: 3/10/2004

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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Plus 1 Copy  
to Appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: Pioneer #1 CDP Tank at the Redfern #4 Location  6. Transporter: TBA  8. State: New Mexico  Project #96052-090
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) "I" Sec 16, T28N, R11W, Rio Arriba 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:

Soil stained with condensate from a 2bbl spill from the condensate tank where a manway gasket was faulty.

CWS attached.

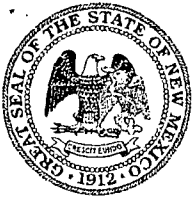
Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: March 22, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>g. adlogist</u>	DATE: <u>3-31-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

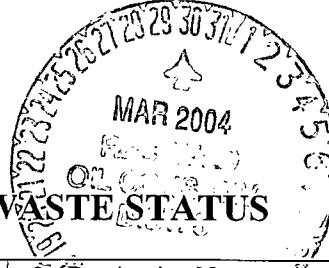
Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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): Pioneer #1 CDP Tank at the Redfern #4 location API #30-045-07441 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit I, Section 16, T28N, R11W 1580' FSL & 1010' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste Up to 12 cy soil stained with condensate from a 2 BBL spill from the condensate tank, in which the manway gasket was faulty.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: March 22, 2004

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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Plus 1 Copy  
to Appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Patina San Juan, Inc.
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Chavez #1
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "A" Sec 2, T31N, R13W, 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:**

Produced water pit tank bottoms being cleaned out in order to perform repairs.

CWS attached.

Estimated Volume 20 BBLS cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

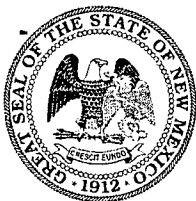
TITLE: Landfarm Manager DATE: March 24, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Jent</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geol/engr</u>	DATE: <u>3-31-04</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 Patina San Juan, Inc. 5802 US Hwy 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Chavez #1 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "A" Sec 2, T31N, R13W, San Juan County
4. Source and Description of Waste Produced water pit tank bottoms being cleaned out in order to perform repairs.	

I, Rodney Seale representative for :  
Print Name

Patina San Juan, 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): Rodney Z. Seale

Title: District Manager

Phone Number: (505) 632-8056

Date: 03/23/04

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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to Appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: ChevronTexaco  5. Originating Site: HJ LOE Federal B #2  6. Transporter: Scat  8. State: New Mexico  Project #92270-018
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) "G", Sec 23, T29N, R12W, 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:

Produced water tank bottoms being cleaned out in order to remove tank.

CWS attached.



Estimated Volume 70bbl cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R Cupps TITLE: Landfarm Manager DATE: March 30, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Fent</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>3/31/04</u>
APPROVED BY: <u>Kyle</u>	TITLE: <u>geologist</u>	DATE: <u>3-31-04</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 <b>FOUR STAR OIL &amp; GAS</b> <b>P.O. BOX 1289</b> <b>FARMINGTON, NM 87499</b>	2. Destination Name: <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>HJ LOE FEDERAL "B"</b> <i>2 Per Keith Beam 3/30/04</i>	Location of the Waste (Street address &/or ULSTR): <b>NW 1/4 "G" SECTION 23, T29 N, R12 W,</b> <b>N.M.P.M SAN JUAN CNTY. N.M.</b>
attach list of originating sites as appropriate	
4. Source and Description of Waste <b>TANK BOTTOM-Produced water tank being removed.</b> <i>Per Keith Beam 3/30/04</i>	

I, STEVEN GARCIA representative for :  
Print Name

Four Star Oil & Gas 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): Steven Garcia  
Title: FACILITIES REPRESENTATIVE  
Phone Number: 505-326-2657 EXT. 107  
Date: 3-17-04

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>

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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to Appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Patina San Juan, Inc.
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Conhale #2E
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "M" Sec 15, T26N, R8W, 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:**

Produced water pit tank bottoms being cleaned out in order to perform repairs.

CWS attached.

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

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 24, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

[Signature]

TITLE:

Enviro/Engr

DATE:

3/31/04

APPROVED BY:

[Signature]

TITLE:

geologist

DATE:

3-31-04



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

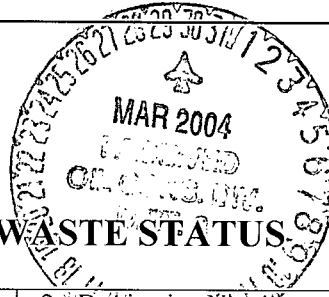
**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Patina San Juan, Inc. 5802 US Hwy 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Con Hale 2E attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "M" Sec 15, T26N, R8W, San Juan County
4. Source and Description of Waste Produced water pit tank bottoms being cleaned out in order to perform repairs.	

I, Rodney Seale representative for :  
Print Name

Patina San Juan, 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): Rodney 2. Seale  
Title: Distric + manager  
Phone Number: (505) 632-8056  
Date: 03/23/04

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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Plus 1 Copy  
to Appropriate  
District Office

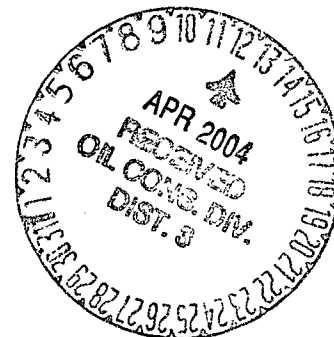
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: El Paso Field Services  5. Originating Site: Lateral C-38
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) SE/4 Sec13, T27N, R9W, San Juan County	Project #97057-092
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:

Soils contaminated with produced water and hydrocarbons generated at line leak.

CWS Attached



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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: March 17, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Denny Grant

TITLE:

Enviro/Eng

DATE:

4/14/04

APPROVED BY:

[Signature]

TITLE:

geologist

DATE:

4/14/04



RECEIVED MAR 19 2004

NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

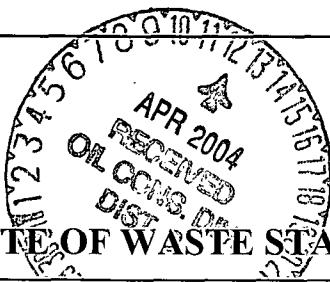
Governor

Joanna Prukop  
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Lateral C-38	Location of Waste (Street address &/or ULSTR): SE/4 Section 13, T27N, R9W, San Juan Co., NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with produced water and hydrocarbons	

I, David Bays representative for:  
Print NameEl Paso Field Services Co. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is:  
(Check appropriate classification)☒ **EXEMPT** Oilfield waste ☐ **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 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): David BaysTitle: Principal Environmental ScientistDate: March 17, 2004

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 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: TL Rhodes C #1E
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "E" Sec 30, T28N, R11W, 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:

Oil contaminated dirt from pit tank cellar. Crude oil was introduced into the produced water tank causing it to overflow.

CWS attached.

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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: March 17, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Reant</u>	TITLE: <u>Enviro / Engr</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Geologist</u>	DATE: <u>4 14 04</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): T L Rhodes C #1E	Location of the Waste (Street address &/or ULSTR): Unit E, Sec 30, T-28-N, R-11-W San Juan County
attach list of originating sites as appropriate	
4. Source and Description of Waste Oil contaminated dirt from pit tank cellar. Approximate volume is 15 cubic yards. <i>Crude oil introduced into produced water tank causing it to overflow. Rec-per Darrin 3/31/04</i>	

I, Darrin Steed representative for :  
Print Name

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

☐ 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): Darrin Steed

Title: HSE & Regulatory Supervisor

Phone Number: 505-324-1090

Date: March 17, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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Revised March 17, 1999  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

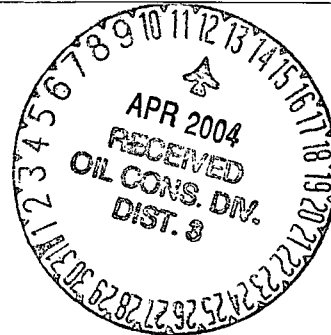
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: CDX Gas, LLC  5. Originating Site: Anderson 1R
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Envirotech
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	8. State: Colorado to New Mexico
7. Location of Material (Street Address or ULSTR) "M" Sec5, T32N, R6W, La Plata County	Project # 03040-004
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:

Solids, drill cuttings from closing reserve pit installations.

CWS and CDX authorization attached.

\*Material previously approved March of 2003 but project was never performed.



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

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 30, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Feint</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>4/14/04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

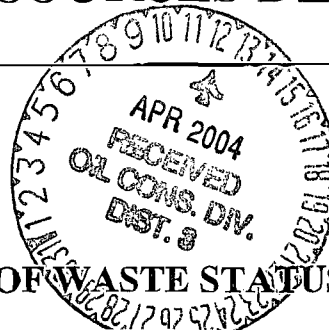
Governor

Joanna Prukop  
Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:  CDX Gas, LLC 4801 N. Butler Ave., Suite 2000 Farmington, New Mexico 87401	2. Destination Name:  Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):  Anderson 1 R – SWSW Section 5 T 32N RGW, La Plata County, Colorado	
Location of the Waste (Street address &/or ULSTR):  attach list of originating sites as appropriate	
4. Source and Description of Waste <i>closing 4/2/04</i> Solids, Drilling cuttings from installation of reserve pit.	

I, Paul D. Tucker representative for :  
Print Name

CDX Gas, 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): Paul A. Tucker

Title: Production Superintendent

Phone Number: (505) 326-3003 Ext. 2802

Date: March 30, 2004

**August 22, 2002**

**CDX ROCKIES, LLC  
ANDERSON #1 (1R) (API # 05-067-08746)  
SWSW SECTION 5 T32N R6W NMPM  
LINED DRILLING PIT PERMIT APPROVAL  
CONDITIONS OF APPROVAL**

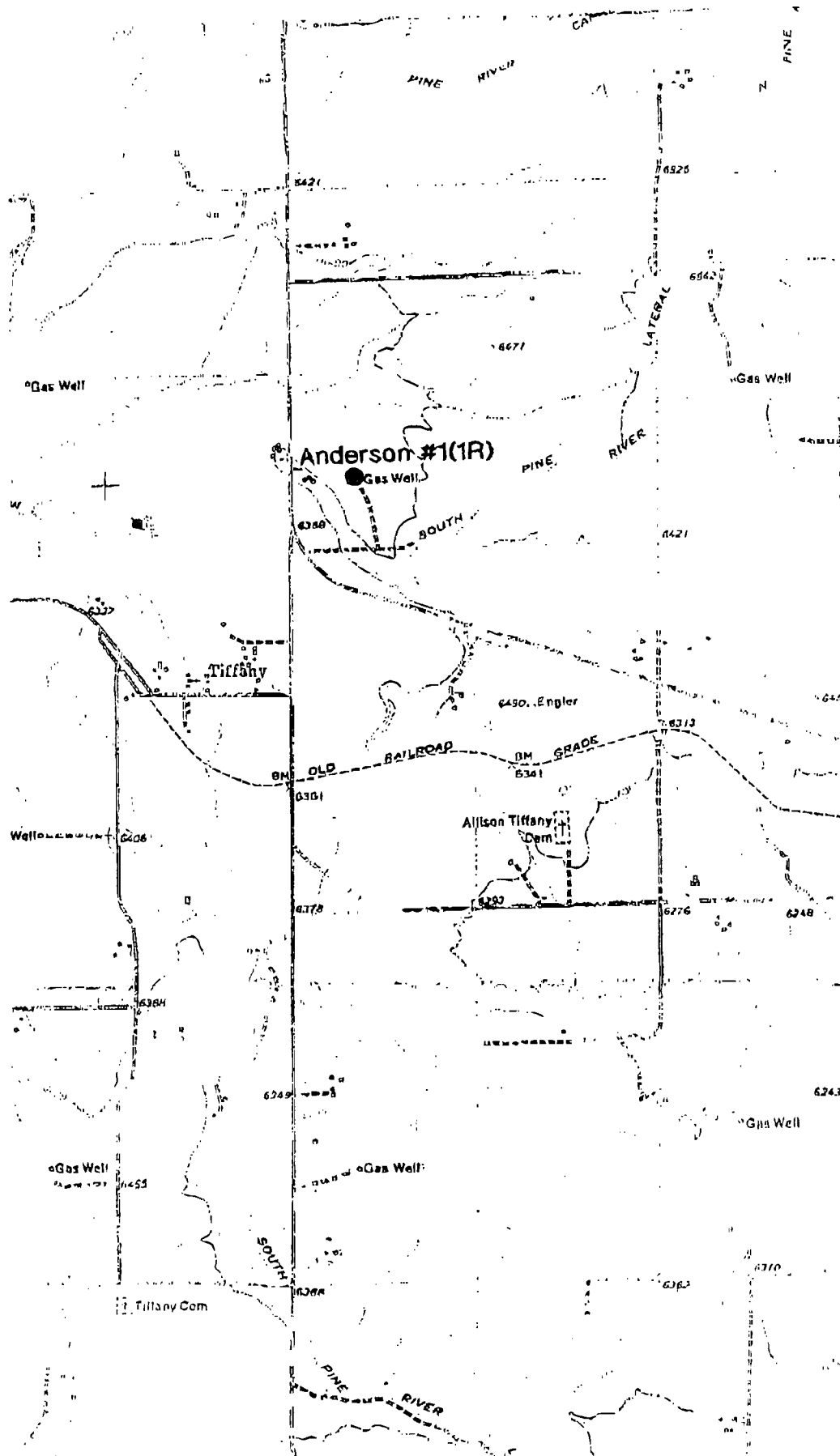
- 1. Refer to this pit by facility number 264539 on all future correspondence**
- 2. A Form 27 must be submitted for prior approval when this pit is closed and reclaimed.**
- 3. The pit liner must be removed and disposed in accordance with COGCC Rule 905.b.(3).A**
- 4. Manifests documenting the disposal of both the liner and the drilling mud must be submitted to the COGCC.**
- 5. Submit original topographic map**
- 6. Submit a detailed description of your mud program**

Aug 22 02 01:12p

Blue Ink, Inc.

303 1734

p. 3



Aug 22 02 01:12p

Blue Creek, Inc.

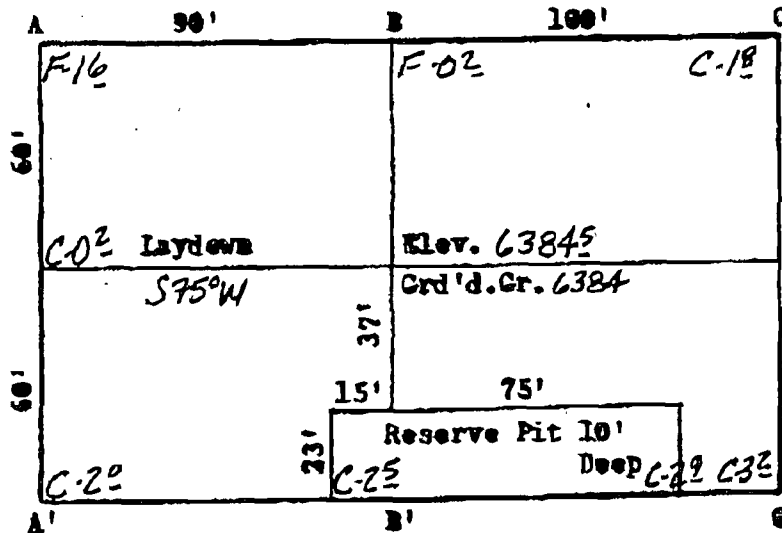
303

1734

p.4

CDX ROCKIES, LLC  
 ANDERSON #1 (1R)  
 1193' FSL & 1190' FWL  
 Sec. 5, T32N, R6W, NMPM  
 La Plata Co., CO

EDGE OF EXISTING DISTURBANCE



Scale : 1" = 50'

PIT HAS BEEN MOVED  
 TO NORTH SIDE OF LOCATION  
 PER LANDOWNER REQUEST.

A-A' Vert.: 1" = 30' Horiz.: 1" = 50' C/L

6390	-----	-----	-----	-----	-----	-----
6380	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

B-B'

6390	-----	-----	-----	-----	-----	-----
6380	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

C-C'

6390	-----	-----	-----	-----	-----	-----
6380	-----	-----	-----	-----	-----	-----
	-----	-----	-----	-----	-----	-----

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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

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: SJ 28-7 #151
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) 1090' FNL, 1450' FEL, Sec 21, T27N, R7W, Rio Arriba County	Project #96052-092
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:

Tank bottoms and fresh wash water from a produced water tank being cleaned in order to move the tank to a new location.

CWS attached.



Estimated Volume ~20bbbls \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 2, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Funt</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>4/14/04</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 ConocoPhillips 5525 Hwy 64 Farmington NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): SJ 28-7 #151- 1090' FNL + 1450 FEL, Sec. 21, 27N, 7W	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste 20 bbls tank bottoms + wash water Produced water tank being cleaned in order to move to new	

I, Patsy Clugston representative for: location 4/2/04  
Print Name

ConocoPhillips 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): Patsy Clugston

Title: Regulatory Analyst

Phone Number: 599-3454

Date: 4-2-04



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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Compressor Systems Inc.  5. Originating Site: NEBU 499
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) "P" Sec 20, T31N, R6W, Rio Arriba County	Project #01038-020
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 contaminated with screw compressor oil generated when an oil line broke. Material has been in contact with the production stream.

CWS attached.



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

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 2, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Zent</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>R. Kyle</u>	TITLE: <u>geologist</u>	DATE: <u>4/14/04</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 Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): NEBU 499 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "P" Sec 20, T31N, R6W, Rio Arriba County
4. Source and Description of Waste  Soil contaminated with screw compressor oil generated when an oil line broke. Material has been in contact with the production stream.	

I, Mitchell Davis representative for :  
Print Name

Compressor Systems Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste

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

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

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

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

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

Name (Original Signature): [Signature]

Title: Senior Service Tech.

Phone Number: (505) 632-5501

Date: April 2, 2004

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

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Energy Minerals and Natural Resources

Oil Conservation Division  
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Revised March 17, 1999

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Three Rivers Trucking  5. Originating Site: Bloomfield Water Station  6. Transporter: Envirotech  8. State: New Mexico  Project #04036-001
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) 406 Blanco Blvd, Bloomfield	
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:

Hydrocarbons from various exempt oilfield activities. Residuals in tank overflowed during filling of the tank with fresh water.

CWS attached.

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

SIGNATURE

Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 25, 2004

TYPE OR PRINT NAME: Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Denny Fendt  
AT Officer

TITLE:

Enviro/Eng  
geologist

DATE:

4/14/04  
4 14 04



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

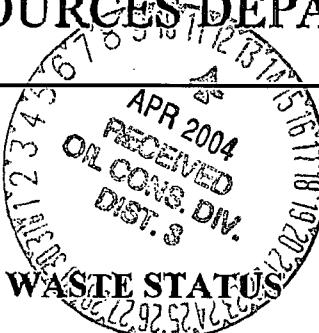
**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Three Rivers Trucking, Inc. P.O. Box 2728 Farmington, New Mexico 87499	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Bloomfield Water Station attach list of originating sites as appropriate	Location of the Waste (Street address &/or U.I.STR): 406 Blanco Blvd, Bloomfield, New Mexico
4. Source and Description of Waste Hydrocarbons from various oilfield activities. Residuals in tank overflowed during filling of the tank with fresh water.	

I, Cindy Pinkett representative for:  
Print Name

Three Rivers Trucking, 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): [Signature]

Title: Secretary Treasurer

Phone Number: (505) 632-5300

Date: March 25, 2004

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

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  
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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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Black Hills E&P
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Jicarilla 458 #2 SWD
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "O" Sec 7, T30N, R03W, Rio Arriba	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:

Produced water tank bottoms and fresh wash water. Vertical produced water tank is being cleaned out in order to convert to a horizontal frac tank.

CWS attached.



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

SIGNATURE Sandra R. Cupps TITLE: Landfarm Manager DATE: April 5, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Eng'r</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>4-14-04</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**Governor  
Joanna Prukop  
Cabinet SecretaryLori Wrotenbery  
Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Black Hills E&P P.O. Box 249 Bloomfield, New Mexico 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Jicarilla 458 #2 SWD attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "O" Sec 7, T30N, R03W, Rio Arriba County
4. Source and Description of Waste <i>Vertical Dec 4/5/04</i> Produced water tank bottoms and fresh wash water. Horizontal-produced water tank is being cleaned out in order to convert to a horizontal frac tank.	

I, Allen Parrent representative for :  
Print Name

Black Hills Exploration and Production 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): Allen ParrentTitle: Completion ForemanPhone Number: (505) 634-1111 ext. 22Date: April 5, 2004

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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Revised March 17, 1999

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District Office

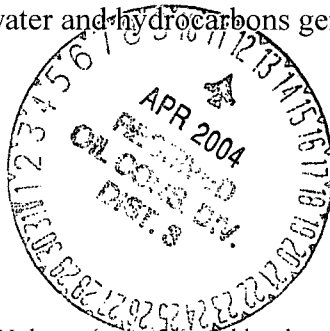
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: El Paso Field Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Lateral 6B-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) "O" Sec 27, T29N, R13W, 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:

Soils contaminated with produced water and hydrocarbons generated at line leak.

CWS Attached



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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: April 7, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Fuent</u>	TITLE: <u>Enviro/Engvr</u>	DATE: <u>4/14/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>4/14/04</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: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Lateral 6B-1	Location of Waste (Street address &/or ULSTR): Unit O, Sec. 27, T29N, R13W, San Juan Co., NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with produced water and hydrocarbons generated at line leak <sup>unc</sup> 417104	

 I, David Bays representative for:  
Print Name

El Paso Field Services Co do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is:  
(Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **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: Principal Environmental Scientist

 Date: April 7, 2004



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

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Plus 1 Copy  
to Appropriate  
District Office

**DIVISION**  
**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Pump Mesa CDP
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) T31N, R8W, Sec 14, 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 soil contaminated with oil from when an oil line broke on the engine driving the compressor.

CWS and analytical attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: December 29, 2003  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Fort</u>	TITLE: <u>Engr/Engr</u>	DATE: <u>12/29/04</u>
APPROVED BY: <u>Al Martin</u>	TITLE: _____	DATE: <u>1-4-05</u>

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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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: The Hanover Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Pump Mesa CDP
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) T31N, R8W, Sec 14, 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 soil contaminated with oil from when an oil line broke on the engine driving the compressor.

CWS and analytical attached.

Estimated Volume \_\_\_\_\_ Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: December 29, 2003  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Denny Zent

TITLE:

Enviro/Eng

DATE:

12/29/04

APPROVED BY:

TITLE:

DATE:



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

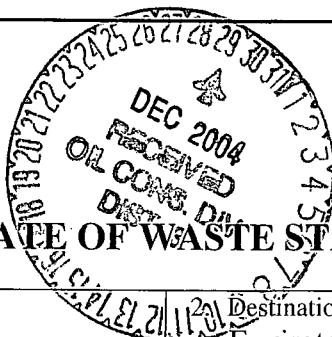
**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenberg**

Director

**Oil Conservation Division**



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Hanover Compression 1280 Troy King Rd. Farmington NM 87401	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Pump Mesa CDP	Location of the Waste (Street address &/or ULSTR): Sec. 14 T31N R8W
attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with oil from when an oil line broke on the engine driving the compressor.	

I, Mike Bolser 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): Mike Bolser

Title: Area Manager

Phone Number: (505) 566-5212

Date: 12/29/04

Client:	Hanover Compression	Project #:	99043-014
Sample ID:	#1	Date Reported:	12-17-04
Laboratory Number:	31504	Date Sampled:	12-16-04
Chain of Custody:	13438	Date Received:	12-16-04
Sample Matrix:	Soil	Date Analyzed:	12-17-04
Preservative:	Cool	Date Digested:	12-16-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.004	0.001	5.0
Barium	0.216	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.002	0.001	5.0
Lead	0.003	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.002	0.001	1.0
Silver	ND	0.001	5.0

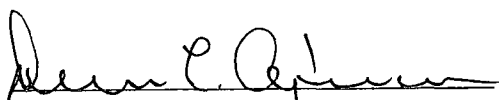
ND - Parameter not detected at the stated detection limit.

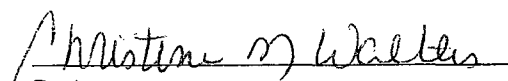
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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

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

Comments: **Pump Mesa CDP.**

  
Analyst

  
Review

# TRACE METAL ANALYSIS

## Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-17-TM QA/QC	Date Reported:	12-17-04
Laboratory Number:	31498	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-17-04
Condition:	N/A	Date Digested:	12-16-04

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.017	0.017	0.0%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	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	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
<b>Arsenic</b>	<b>0.500</b>	<b>ND</b>	<b>0.499</b>	<b>99.8%</b>	<b>80% - 120%</b>
<b>Barium</b>	<b>0.500</b>	<b>0.017</b>	<b>0.517</b>	<b>100.0%</b>	<b>80% - 120%</b>
<b>Cadmium</b>	<b>0.500</b>	<b>ND</b>	<b>0.500</b>	<b>100.0%</b>	<b>80% - 120%</b>
<b>Chromium</b>	<b>0.500</b>	<b>ND</b>	<b>0.500</b>	<b>100.0%</b>	<b>80% - 120%</b>
<b>Lead</b>	<b>0.500</b>	<b>ND</b>	<b>0.499</b>	<b>99.8%</b>	<b>80% - 120%</b>
<b>Mercury</b>	<b>0.050</b>	<b>ND</b>	<b>0.050</b>	<b>100.0%</b>	<b>80% - 120%</b>
<b>Selenium</b>	<b>0.500</b>	<b>ND</b>	<b>0.499</b>	<b>99.8%</b>	<b>80% - 120%</b>
<b>Silver</b>	<b>0.500</b>	<b>ND</b>	<b>0.500</b>	<b>100.0%</b>	<b>80% - 120%</b>

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 31498, 31504.

Analyst

Christine M. Waller

13438

san juan reproduction 578-129

## District I

1625 N. French Dr., Hobbs, NM 88241

## 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

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Oil Conservation Division

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Santa Fe, NM 87505

OIL CONSERVATION

DIVISION

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒Verbal Approval Received: Yes ☐ No ☒

4. Generator: Conoco Phillips

5. Originating Site: Maddox WN Fed. #5,  
Maddox WN Fed. #7, and the Maddox  
B Fed. #22. 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)

Maddox #5 "A" Sec 24, T30N, R13W, San Juan County

Maddox #7 "H" Sec 13, T30N, R13W, San Juan County

Maddox #2 "N" Sec 13, T30N, R13W, San Juan County

Project #96052-218

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 stock piled soil stained with virgin motor oil from vandals cutting hoses on three different tanks spilling  
approx. 7.38 accumulative bbls of oil on to the ground.

CWS attached.

and MSDS

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 AgentTITLE: Landfarm Manager DATE: December 28, 2004TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Jerry FarnyTITLE: Enviro/EngrDATE: 12/29/04APPROVED BY: Ed MartinTITLE: DATE: 1-4-05

130

District I  
1325 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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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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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>		Generator: Conoco Phillips
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		5. Originating Site: Maddox WN Fed. #5, Maddox WN Fed. #7, and the Maddox B Fed. #2
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) Maddox #5 "A" Sec 24, T30N, R13W, San Juan County Maddox #7 "H" Sec 13, T30N, R13W, San Juan County Maddox #2 "N" Sec 13, T30N, R13W, San Juan County		Project #96052-218
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 stock piled soil stained with virgin motor oil from vandals cutting hoses on three different tanks spilling approx. 7.38 accumulative bbls of oil on to the ground.

CWS attached.

+  
MSDS

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 28, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Zent TITLE: Enviro/Engvr DATE: 12/29/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

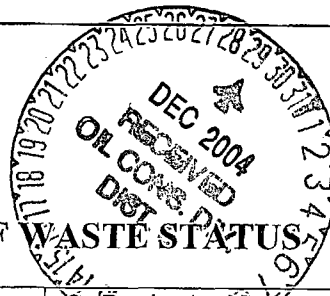
**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenberg**

Director

**Oil Conservation Division**



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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): Maddox WN Federal 5 Maddox WN Federal 7 Maddox B Federal 2	API # 30-045-30338 30-045-30336 30-045-30333	Location of the Waste (Street address &/or ULSTR): Unit A, Section 24, T30N, R13W 1080' FNL & 1215' FEL, San Juan County, NM Unit H, Section 13, T30N, R13W 1635' FNL & 900' FEL, San Juan County, NM Unit N Section 13, T30N, R13W 745' FSL & 1590' FWL, San Juan County, NM
attach list of originating sites as appropriate		
4. Source and Description of Waste Approximately 8.5 cubic yards soil stained with virgin unused oil. Vandals cut hoses on 3 tanks (1 per location) allowing approximately 7.38 accumulative bbls of oil to spill to ground.		

I, Juanita Farrell 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.

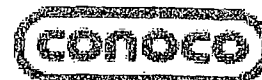
For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☒ 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): Juanita Farrell  
Title: Regulatory Analyst  
Phone Number: 505-599-3419  
Date: December 28, 2004

# Material Safety Data Sheet



## EL MAR 3000 ENGINE OIL

### 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

MSDS Code: MOTC0070 EL MAR 3000 ENGINE OIL Revised: 08-August-2002

"EL MAR" is a registered trademark of Conoco.

Product Use: Natural Gas Engine Oil  
Grade: 30, 40, 15W-40

#### MANUFACTURER/DISTRIBUTOR

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

#### PHONE NUMBERS

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Numbers	%
Highly refined base oils	64741-88-4	15-95
	64741-89-5	0-65
Proprietary additives		5-30

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

### # 3. HAZARDS IDENTIFICATION

#### --- EMERGENCY OVERVIEW ---

#### APPEARANCE / ODOR

Amber to brown liquid / mild petroleum hydrocarbon odor.

#### OSHA REGULATORY STATUS

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

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

#### Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin,

eye, and lung irritation, but good hygienic practices can minimize these effects.

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

#### "USED" Motor Oil -

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

#### Carcinogenicity Information

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

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#### 4. FIRST AID MEASURES

---

##### Inhalation

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

##### Skin Contact

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

##### Eye Contact

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

##### Ingestion

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

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

#### Notes to Physicians

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

---

#### 5. FIRE FIGHTING MEASURES

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##### Flammable Properties

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

Method : COC.

Autoignition : Not Available

##### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

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

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

---

### 6. ACCIDENTAL RELEASE MEASURES

---

#### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

#### Initial Containment

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

#### Spill Clean Up

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

---

### 7. HANDLING AND STORAGE

---

#### Handling (Personnel)

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

#### Handling (Physical Aspects)

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

#### Storage

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

---

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

#### Engineering Controls

Ventilation: Normal shop ventilation.

#### Personal Protective Equipment

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

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

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

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

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

#### Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA) : 5 mg/m<sup>3</sup>, 8 Hr. TWA

TLV (ACGIH) : 5 mg/m<sup>3</sup>, 8 Hr. TWA, STEL 10 mg/m<sup>3</sup>

---

### 9. PHYSICAL AND CHEMICAL PROPERTIES

---

#### Physical Data

Appearance	: Amber to brown liquid
Odor	: Mild petroleum hydrocarbon
Boiling Point	: Not available.
Vapor Pressure	: Nil
Vapor Density	: >1 (Air = 1)
% Volatiles	: Nil
Evaporation Rate	: Nil
Solubility in Water	: Insoluble
Specific Gravity	: 0.88 @ 60 F (16 C)
Pounds Per Gallon	: 7.3 @ 60 F (16 C)
Viscosity (typical)	: cSt @ 40 C                      cSt @ 100 C
30	90                                      10.4
40	124                                     13.0
15W-40	113                                    14.4

---

### 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 oxidizers.

#### Decomposition

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

#### Polymerization

Polymerization will not occur.

---

### 11. TOXICOLOGICAL INFORMATION

---

#### Animal Data

Mouse skin painting studies have shown that highly solvent-refined

petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -

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

Following information based on minor components or similar material when tested in undiluted form:

ACUTE TOXICITY -

Oral Toxicity: LD50 >5000 mg/kg (rats)

Dermal Toxicity: LD50 >2000 mg/kg (rabbits)

Eye Irritation: Weak to moderate eye irritant.

Inhalation: Mists or vapors may cause irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

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

Container Disposal

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

14. TRANSPORTATION INFORMATION

Shipping Information

DOT: Not regulated.

IATA/IMDG: Not restricted.

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

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

CERCLA/SUPERFUND

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

SARA, TITLE III, 302/304

This material is not known to contain extremely hazardous substances.

SARA, TITLE III, 311/312

Acute : No

Chronic : No

Fire : No

Reactivity : No

Pressure : No

SARA, TITLE III, 313

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

TSCA

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

RCRA

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

CLEAN WATER ACT

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

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

State Regulations (U.S.)

CALIFORNIA "PROP 65"

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

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT

This material is not known to contain any ingredients subject to the Act. Non-hazardous ingredient information is withheld as a trade secret in accordance with Section 11 of the Act.

-----  
16. OTHER INFORMATION  
-----

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

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

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

# Indicates updated section.

End of MSDS

130

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 87419  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

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

OIL CONSERVATION  
DIVISION  
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>		Generator: Compressor Systems Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		5. Originating Site: Twin Wash
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 13, T30N, R13W, San Juan County		Project #01038-034
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 virgin motor oil from when vandals cut a line on a bulk tank.

CWS and MSDS 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: December 27, 2004

TYPE OR PRINT NAME: Brandon Powell

TELEPHONE NO: (505) 632-0615

This space for State Use		
APPROVED BY: <u>Denny Hunt</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>12/28/04</u>
APPROVED BY: <u>Al Martin</u>	TITLE: _____	DATE: <u>1-4-05</u>

Envirotech must furnish legible, reproducible  
~~and~~ CWS. will turn them down in the future



District I  
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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

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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### BRIEF DESCRIPTION OF MATERIAL:

Accept soil stained with virgin motor oil from when vandals cut a line on a bulk tank.

CWS and MSDS 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 27, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Henry Feunt

TITLE: Enviro/ Engr

DATE: 12/29/04

APPROVED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

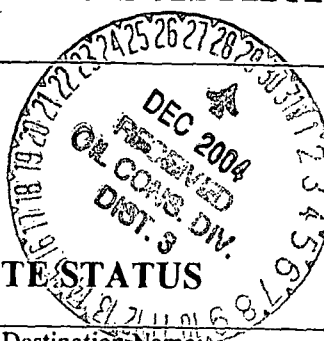
Joanna Prukop

Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Compressor Systems Inc. P.O. Box 1886 E Bluffton, SC 29910	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Flom Wash sec B/T30N/R13W	Location of the Waste (Street address &/or ULSTR):
attach list of originating sites as appropriate	
4. Source and Description of Waste New oil from Bulk tank vandals cut line. Tank causing loss of new oil to run on ground.	

I, Mitch Davis representative for :  
Print Name

CSI

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

☒ EXEMPT oilfield waste

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

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

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

☐ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

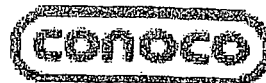
Name (Original Signature): [Signature]

Title: Tech

Phone Number: 505-215-1161

Date: 12/17/04

# Material Safety Data Sheet



## EL MAR 3000 ENGINE OIL

### 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

MSDS Code: MOTC0070

Revised: 08-August-2002

"EL MAR" is a registered trademark of Conoco.

Product Use: Natural Gas Engine Oil  
Grade: 30, 40, 15W-40

#### MANUFACTURER/DISTRIBUTOR

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

#### PHONE NUMBERS

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

URL: [www.conoco.com](http://www.conoco.com)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Numbers	%
Highly refined base oils	64741-88-4	15-95
	64741-89-5	0-65
Proprietary additives		5-30

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

### # 3. HAZARDS IDENTIFICATION

#### --- EMERGENCY OVERVIEW ---

#### APPEARANCE / ODOR

Amber to brown liquid / mild petroleum hydrocarbon odor.

#### OSHA REGULATORY STATUS

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

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

#### Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin,

150

eye, and lung irritation, but good hygienic practices can minimize these effects.

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

#### "USED" Motor Oil -

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

#### Carcinogenicity Information

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

---

#### 4. FIRST AID MEASURES

---

##### Inhalation

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

##### Skin Contact

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

##### Eye Contact

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

##### Ingestion

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

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

#### Notes to Physicians

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

---

#### 5. FIRE FIGHTING MEASURES

---

##### Flammable Properties

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

Method : COC.

Autoignition : Not Available

##### Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

#### Fire Fighting Instructions

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

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

---

#### 6. ACCIDENTAL RELEASE MEASURES

---

##### Safeguards (Personnel)

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

Remove source of heat, sparks, and flame.

##### Initial Containment

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

##### Spill Clean Up

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

---

#### 7. HANDLING AND STORAGE

---

##### Handling (Personnel)

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

##### Handling (Physical Aspects)

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

##### Storage

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

---

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

##### Engineering Controls

Ventilation: Normal shop ventilation.

##### Personal Protective Equipment

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

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

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

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

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

#### Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA) : 5 mg/m<sup>3</sup>, 8 Hr. TWA

TLV (ACGIH) : 5 mg/m<sup>3</sup>, 8 Hr. TWA, STEL 10 mg/m<sup>3</sup>

---

### 9. PHYSICAL AND CHEMICAL PROPERTIES

---

#### Physical Data

Appearance : Amber to brown liquid  
Odor : Mild petroleum hydrocarbon  
Boiling Point : Not available.  
Vapor Pressure : Nil  
Vapor Density : >1 (Air = 1)  
% Volatiles : Nil  
Evaporation Rate : Nil  
Solubility in Water : Insoluble  
Specific Gravity : 0.88 @ 60 F (16 C)  
Pounds Per Gallon : 7.3 @ 60 F (16 C)

Viscosity (typical)	cSt @ 40 C	cSt @ 100 C
30	90	10.4
40	124	13.0
15W-40	113	14.4

---

### 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 oxidizers.

#### Decomposition

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

#### Polymerization

Polymerization will not occur.

---

### 11. TOXICOLOGICAL INFORMATION

---

#### Animal Data

Mouse skin painting studies have shown that highly solvent-refined

petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -

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

Following information based on minor components or similar material when tested in undiluted form:

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Oral Toxicity: LD50 >5000 mg/kg (rats)

Dermal Toxicity: LD50 >2000 mg/kg (rabbits)

Eye Irritation: Weak to moderate eye irritant.

Inhalation: Mists or vapors may cause irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

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

Container Disposal

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

14. TRANSPORTATION INFORMATION

Shipping Information

DOT: Not regulated.

IATA/IMDG: Not restricted.

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

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

CERCLA/SUPERFUND

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

SARA, TITLE III, 302/304

This material is not known to contain extremely hazardous substances.

SARA, TITLE III, 311/312

Acute : No

Chronic : No

Fire : No

Reactivity : No

Pressure : No

SARA, TITLE III, 313

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

TSCA

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

RCRA

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

CLEAN WATER ACT

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

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

State Regulations (U.S.)

CALIFORNIA "PROP 65"

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

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT

This material is not known to contain any ingredients subject to the Act. Non-hazardous ingredient information is withheld as a trade secret in accordance with Section 11 of the Act.

16. OTHER INFORMATION

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

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

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

# Indicates updated section.

End of MSDS



District I  
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RECEIVED

State of New Mexico  
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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"/> Per Denny Foust on 12/13/04		4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: Maddox WN Federal #5
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "A" Sec 24, T30N, R13W, 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 soil stained with lube oil due to vandalism, where the day tank valve was opened spilling the oil to the ground.

CWS and MSDS 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: December 13, 2004

TYPE OR PRINT NAME: Brandon Powell

TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Foust</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>12/13/04</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>12-16-04</u>

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"/> Per Denny Foust on 12/13/04	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Maddox WN Federal #5
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "A" Sec 24, T30N, R13W, 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 soil stained with lube oil due to vandalism, where the day tank valve was opened spilling the oil to the ground.

CWS and MSDS attached.

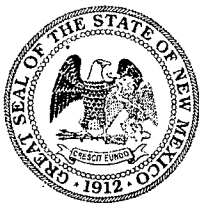
Estimated Volume \_\_\_\_\_ cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: December 13, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Eng DATE: 12/13/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



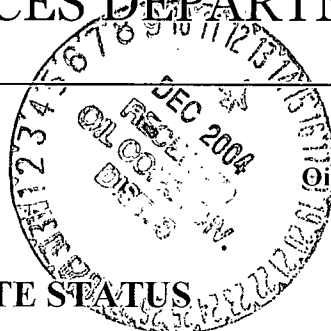
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary



**Lori Wrotenbery**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 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): Maddox WN Federal #5  API # 30-045-30338 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit A, Section 24, T30N, R13W 1080' FNL & 1215' FEL San Juan County, New Mexico
4. Source and Description of Waste 1 cubic yard soil that was stained with lube oil due to vandalism, where the day tank valve was opened spilling the oil to the ground.	

I, Monica D. Olson 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):

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

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

Name (Original Signature): Monice D. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: December 10, 2004



## MATERIAL SAFETY DATA SHEET

### Conoco HD Fleet Engine Oil 10W, 20W-20, 30, 40, 50

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Conoco HD Fleet Engine Oil 10W, 20W-20, 30, 40, 50

**Product Code:** 46210, 46220, 46243, 46240, 46250

**Synonyms:** Conoco MSDS #MOTC0090  
Conoco HD Fleet Engine Oil 10W  
Conoco HD Fleet Engine Oil 20W-20  
Conoco HD Fleet Engine Oil 30  
Conoco HD Fleet Engine Oil 40  
Conoco HD Fleet Engine Oil 50

**Intended Use:** Crankcase oil

**Chemical Family:** Petroleum hydrocarbon

**Responsible Party:** Conoco Lubricants  
A Division of ConocoPhillips  
600 N. Dairy Ashford  
Houston, TX 77079-1175

**For Additional MSDSs** 800-762-0942

**Technical Information:** 800-435-7761

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

California Poison Control System: (800) 356-3129

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

**Health Hazards/Precautionary Measures:** Causes eye irritation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Physical Hazards/Precautionary Measures:** Keep away from all sources of ignition.

**Appearance:** Clear brown

**Physical form:** Liquid

**Odor:** Characteristic petroleum

##### NFPA Hazard Class:

Health: 1 (Slight)

Flammability: 1 (Slight)

Reactivity: 0 (Least)

##### HMIS Hazard Class

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Least)

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

##### HAZARDOUS COMPONENTS

##### % VOLUME

##### EXPOSURE GUIDELINE

##### Limits

##### Agency

##### Type

Zinc Compound 1.0-1.5 Not Established  
CAS# Proprietary

<u>OTHER COMPONENTS</u>	<u>% VOLUME</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Lubricant Base Oil (Petroleum) CAS# Various	87-91	(See: Oil Mist, If Generated)		
Additives CAS# Proprietary	9-13	Not Established		

<u>REFERENCE</u>	<u>EXPOSURE GUIDELINE</u>		
	<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Oil Mist, If Generated CAS# None	5 mg/m3	ACGIH	TWA
	10 mg/m3	ACGIH	STEL
	5 mg/m3	OSHA	TWA
	2500 mg/m3	NIOSH	IDLH
	5 mg/m3	NOHSC	TWA

The base oil for this product can be a mixture of any of the following highly refined petroleum streams:  
CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS 64742-01-4; CAS 64742-52-5; CAS  
64742-53-6; CAS 64742-54-7; CAS 64742-55-8; CAS 64742-56-9; CAS 64742-57-0; CAS 64742-62-7; CAS  
64742-63-8; CAS 64742-65-0; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1

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:** Contact may cause mild skin irritation including redness, and a burning sensation. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin leading to dermatitis (inflammation). No harmful effects from skin absorption are expected.

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

**Ingestion (Swallowing):** No harmful effects expected from ingestion.

**Signs and Symptoms:** Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract, nausea and diarrhea.

**Cancer:** Inadequate evidence available to evaluate the cancer hazard of this material. See Section 11 for carcinogenicity information of individual components, if any.

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**Target Organs:** No data available for this material.

**Developmental:** No data available for this material.

**Pre-Existing Medical Conditions:** Conditions aggravated by exposure may include skin 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:** Wipe material from skin and remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops and persists, seek 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):** First aid is not normally required; however, if swallowed and symptoms develop, 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: >338°F/>170°C (PMCC)  
OSHA Flammability Class: Not applicable  
LEL/UEL%: No Data  
Autoignition Temperature: No Data

**Unusual Fire & Explosion Hazards:** This material may burn, but will not ignite readily. 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, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

**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

This material may burn, but will not ignite readily. Keep all sources of ignition away from spill/release. 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. 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:** 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. 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 and all sources of ignition. Storage temperatures above 113°F may lead to thermal decomposition, resulting in the generation of hydrogen sulfide and other sulfur containing gases. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

## 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.

### Personal Protective Equipment (PPE):

**Respiratory:** A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter 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 and possible irritation (see manufacturers literature for information on permeability).

**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:** A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

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: Clear brown

Physical State: Liquid

Odor: Characteristic petroleum

pH: Not applicable

Vapor Pressure (mm Hg): <1

Vapor Density (air=1): >1

Boiling Point/Range: No Data

Freezing/Melting Point: No Data

Solubility in Water: Negligible

Specific Gravity: 0.87-0.89

Percent Volatile: Negligible

Evaporation Rate (nBuAc=1): <1

Viscosity: 6.0-21.0 cSt @ 100°C /40-214 cSt @ 40°C

Bulk Density: 7.24-7.41 lbs/gal

Flash Point: >338°F / >170°C (PMCC)

Flammable/Explosive Limits (%): No Data

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Conditions To Avoid:** Extended exposure to high temperatures can cause decomposition.

**Materials to Avoid (Incompatible Materials):** Avoid contact with acids, halogens, halogenated compounds and strong oxidizing agents.

**Hazardous Decomposition Products:** Combustion can yield carbon, nitrogen, sulfur, phosphorus and zinc oxides. Hydrogen sulfide and alkyl mercaptans may also be released.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Lubricant Base Oil (Petroleum) (CAS# Various)

**Carcinogenicity:** The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA.



## 12. ECOLOGICAL INFORMATION

Not evaluated at this time

## 13. DISPOSAL CONSIDERATIONS

This material under most intended uses would become used oil due to contamination by physical or chemical impurities. RECYCLE ALL USED OIL. While being recycled, used oil is regulated by 40 CFR 279. Use resulting in chemical or physical change or contamination may also subject it to regulation as hazardous waste. Under federal regulations, used oil is a solid waste managed under 40 CFR 279. However, in California, used oil is managed as hazardous waste until tested to show it is not hazardous. Consult state and local regulations regarding the proper handling of used oil. In the case of used oil, the intent to discard it may cause the used oil to be regulated as hazardous waste.

Contents should be completely used and containers emptied prior to discard. Rinsate may be considered a RCRA hazardous waste and must be disposed of with care and in compliance with federal, state and local regulations. Large empty containers, such as drums, should be returned to the distributor or a drum reconditioner. To assure proper disposal of small empty containers, consult with state and local regulations and disposal authorities.

## 14. TRANSPORT INFORMATION

DOT Shipping Description: Not classified as hazardous

## 15. REGULATORY INFORMATION

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

Acute Health: Yes  
Chronic Health: No  
Fire Hazard: No  
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 %
Zinc Compound	Proprietary	1.0-1.5

### 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
Arsenic and Inorganic Arsenic Compounds.	Cancer and Developmental Toxicant
Benzene	Cancer, Developmental and Reproductive Toxicant
Cadmium and Cadmium Compounds	Cancer, Developmental and Reproductive Toxicant
Lead and Lead Compounds	Cancer, Developmental and Reproductive Toxicant

Used engine oils, 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. Used motor oil has been identified as a possible skin carcinogen by IARC.

**EPA (CERCLA) Reportable Quantity:**

--None--

**Canada - Domestic Substances List:** Listed

**WHMIS Class:**

Not regulated

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:** 02/26/03

**Previous Issue Date:** 07/19/02

**Product Code:** 46210, 46220, 46243, 46240, 46250

**Revised Sections:** New Format

**Previous Product Code:** 46210, 46220, 46243, 46240, 46250

**MSDS Number:** 790927

**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

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OIL CONSERVATION

Form C-138  
Revised March 17, 1999

Submit Original  
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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"/> Per Denny Foust on 11/15/04	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Vehicle Rollover
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) SWNW Sec. 6, T33N, R8W, La Plata County, Colorado	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.	

BRIEF DESCRIPTION OF MATERIAL:

Diesel fuel contaminated soil resulting from a truck rollover.

CWS and MSDS attached



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

SIGNATURE Bob Roll  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: November 19, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Foust</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>11/19/04</u>
APPROVED BY: <u>Bob Roll</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>11/23/04</u>

District I  
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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

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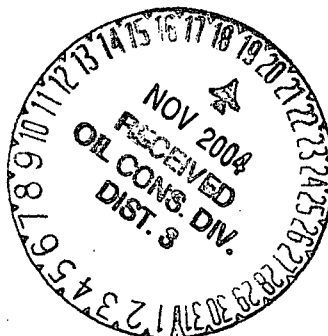
**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Per Denny Foust on 11/15/04	4. Generator: Halliburton Energy Services  5. Originating Site: Vehicle Rollover
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: Colorado to New Mexico
7. Location of Material (Street Address or ULSTR) SWNW Sec. 6, T33N, R8W, La Plata County, Colorado	Project # 92132-030
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:

Diesel fuel contaminated soil resulting from a truck rollover.

CWS and MSDS 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: November 19, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Engl DATE: 11/19/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



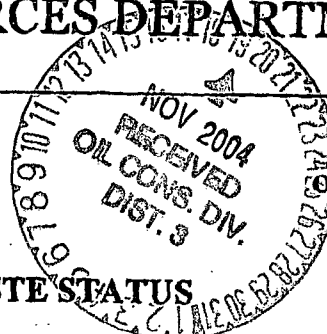
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary



**Lori Wrotenbery**

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <u>Halliburton Energy Services</u> <u>4109 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>Longhorn</u> <u>attach list of originating sites as appropriate</u>	Location of the Waste (Street address &/or ULSTR): <u>SWNW Sec. 6 T33N R8W</u> <u>La Plata County CO</u>
4. Source and Description of Waste <u>Diesel fuel contaminated soil resulting from a truck roll over.</u>	

I, Gary Winn 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.

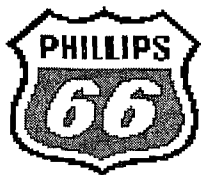
Name (Original Signature): Gary Winn

Title: HSE Technical Professional

Phone Number: 505-324-3540

Date: 11-16-04

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



## 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

California Poison Control System: (800) 356-3129

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

**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/m <sup>3</sup>	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.

160

**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/m<sup>3</sup> 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.

**RECEIVED**  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1201 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

Oil Conservation Division

1220 S. Saint Francis Dr.

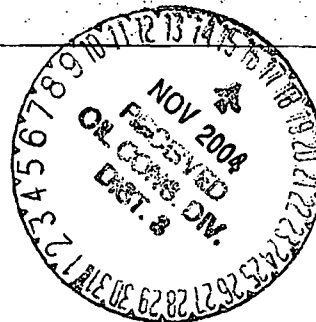
Santa Fe, NM 87505

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> 11/16/04 D-27 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator: Key Pressure Pumping Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: Hwy 141 Mile Marker 121 Colorado
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: Riley's Industrial
7. Location of Material (Street Address or ULSTR) Hwy 141 Mile Marker 121 Colorado		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 # 04190-001

**BRIEF DESCRIPTION OF MATERIAL:**

Accept vehicle oil contaminated soil



Estimated Volume 2 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Bob Powell  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: November 16, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Engineer</u>	DATE: <u>11/16/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro. Engr.</u>	DATE: <u>11/23/04</u>

**RECEIVED**  
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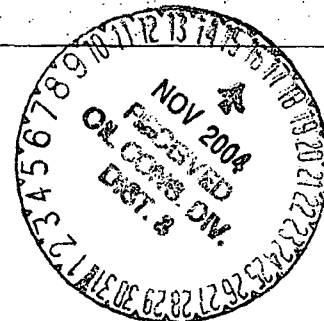
Oil Conservation Division  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <i>11/16/04 DGT</i> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Key Pressure Pumping Services
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SIGNATURE Bob Powell  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: November 16, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>11/16/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro. Engr</u>	DATE: <u>11/22/04</u>

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2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Hwy 141 Mile Marker 121 Colorado
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Accept vehicle oil contaminated soil



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SIGNATURE Brandon Powell  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: November 16, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Kent

TITLE: Enviro/Eng

DATE: 11/16/04

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 <i>Key Pressure Systems 708 S. Tucker Farmington NM</i>	Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i> Hwy 141 - mm 121 - Colorado Truck wreck</i> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste <i>1/2 yard contaminated soil with oil</i>	

I, *Victor Mours* representative for :  
Print Name

*Nine* 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): *Nine*

Title: *Operations Manager*

Phone Number: *505-325-4192*

Date: *11-8-04*

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

Client:	Key Pressure Pumping Services	Project #:	04190-001
Sample ID:	Spill Contaminated Soil	Date Reported:	11-11-04
Laboratory Number:	31182	Date Sampled:	11-09-04
Chain of Custody:	13266	Date Received:	11-09-04
Sample Matrix:	TCLP Extract	Date Analyzed:	11-11-04
Preservative:	Cool	Date Extracted:	11-10-04
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.003	0.001	5.0
Barium	0.051	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	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.

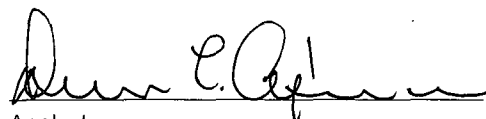
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

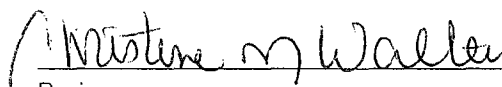
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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:

  
Analyst

  
Review

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

Client:	N/A	Project #:	N/A
Sample ID:	11-11-TCM QA/QC	Date Reported:	11-11-04
Laboratory Number:	31182	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	11-11-04
Condition:	N/A	Date Extracted:	11-10-04

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Barium	ND	ND	0.001	0.051	0.050	2.0%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	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	0.003	0.502	99.8%	80% - 120%
Barium	0.500	0.051	0.550	99.8%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.001	0.501	100.0%	80% - 120%
Lead	0.500	ND	0.499	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%


ND - Parameter not detected at the stated detection limit.

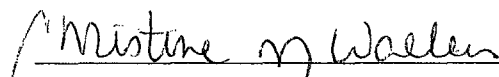
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Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,  
SW-846, USEPA, December 1996.

Comments: QA/QC for sample 31182.

  
Analyst

  
Review

13266

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

RECEIVED

State of New Mexico  
Energy Minerals and Natural Resources

Form C-138  
Revised March 17, 1999

NOV 03 2004 Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 11/1/04 DRT	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 30-5 #264A
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "O" Sec 9, T30N, R5W, 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 diesel from a 50 gal. diesel spill that occurred when a fuel storage tank was overfilled.

MSDS

CWS attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: November 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Dempsey</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>11/01/04</u>
APPROVED BY: <u>Martin</u>	TITLE: <u>ENVIRO. ENGR.</u>	DATE: <u>11/3/04</u>

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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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 type="checkbox"/>	4. Generator: Conoco Phillips 5. Originating Site: San Juan 30-5 #264A 6. Transporter: TBA 8. State: New Mexico Project #96052-181
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) "O" Sec 9, T30N, R5W, Rio Arriba 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 stained with diesel from a 50 gal. diesel spill that occurred when a fuel storage tank was overfilled.

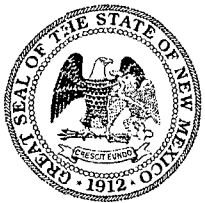
MSDS  
CWS attached.

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

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: November 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Fent</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>11/01/04</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 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 30-5 Unit #264A  API # 30-039-27772 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit O, Section 9, T30N, R5W 925' FSL & 1682' FEL Rio Arriba County, New Mexico
4. Source and Description of Waste 5 cubic yards soil stained with diesel from 50 gallon diesel spill that occurred when a fuel storage tank was overfilled.	

I, Monica D. Olson 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

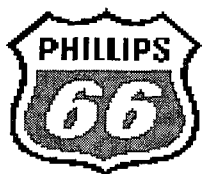
**This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.**

Name (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: November 1, 2004



## 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

California Poison Control System: (800) 356-3129

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

**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.

180

## 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/m<sup>3</sup> 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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District III  
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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  
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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"/> 10/29/04	4. Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: SJ 32-7 Unit #301 SWD
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "M" Sec 34, T32N, R7W, 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 soil and gravel contaminated with oil, from when approx. 12 gallons of oil leaked out of a vent tube of the pump.

CWS, attached.

Estimated Volume ~20 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: October 18, 2004

TYPE OR PRINT NAME: Brandon Powell

TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Env. Eng.</u>	DATE: <u>10/20/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Engr.</u>	DATE: <u>10/28/04</u>



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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"/> 10/20/04	4. Generator: Conoco Phillips  5. Originating Site: SJ 32-7 Unit #301 SWD
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) "M" Sec 34, T32N, R7W, San Juan County	Project #96052-170
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 and gravel contaminated with oil, from when approx. 12 gallons of oil leaked out of a vent tube of the pump.

CWS, attached.

Estimated Volume ~20 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: October 18, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Zent TITLE: Enviro/Engl DATE: 10/20/04  
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 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 32-7 Unit #301 SWD  API # 30-045-28549 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit M, Section 34, T32N, R7W 735' FSL & 761' FWL San Juan County, New Mexico
4. Source and Description of Waste 20 cubic yards soil and gravel stained with oil when a vent tube on a pump leaked approximately 12 gallons of oil to the soil. TCLP metals analysis done by Envirotech with results of arsenic = 0.002 mg/L; barium = 0.061 mg/L; cadmium = ND; chromium = 0.002 mg/L; lead = 0.003 mg/L; mercury = ND; selenium = 0.001 mg/L; silver = ND.	

I, Monica D. Olson 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 – TCLP Metals  
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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: October 15, 2004

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State of New Mexico  
Energy Minerals and Natural Resources  
OCT 27 2004  
Oil Conservation Division  
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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"/> Edwin Martin 10/14/04	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 Brandon Powell  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: October 14, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denise Jant</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>10/20/04</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro EDGR</u>	DATE: <u>10/28/04</u>

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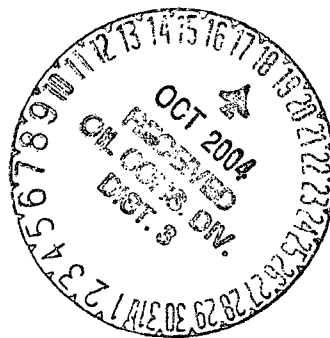
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Edwin Martin 10/14/04	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*  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: October 14, 2004

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Denny Reut*

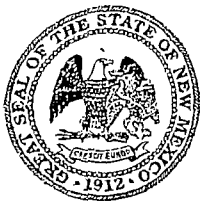
TITLE: Environ/Engr

DATE: 10/20/04

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 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.	

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: October 14, 2004

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliberton	Project #:	92132-001
Sample ID:	Wash Bay Sump Solids	Date Reported:	10-11-04
Lab ID#:	30895	Date Sampled:	10-07-04
Sample Matrix:	Soil	Date Received:	10-07-04
Preservative:	Cool	Date Analyzed:	10-08-04
Condition:	Cool and Intact	Chain of Custody:	13081

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

**IGNITABILITY:** Negative

**CORROSIVITY:** Negative pH = 7.11

**REACTIVITY:** Negative

### RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

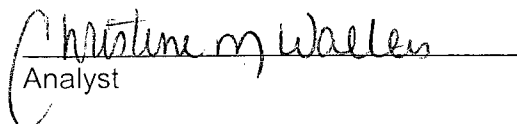
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
---------------	---

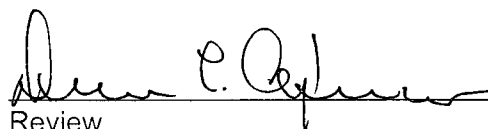
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

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

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 Extraction	Date Extracted:	10-08-04
Preservative:	Cool	Date Analyzed:	10-11-04
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0037	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

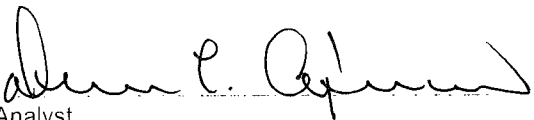
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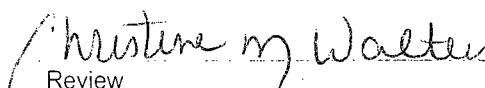
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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

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

Comments: Wash Bay, Halliburton Yard.

  
Analyst

  
Review

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%

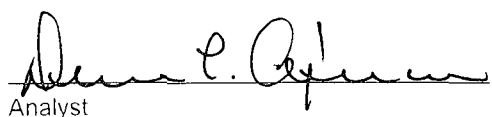
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

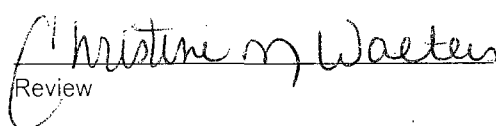
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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



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

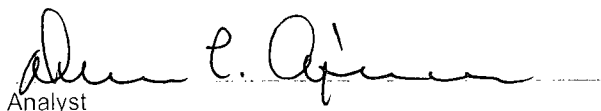
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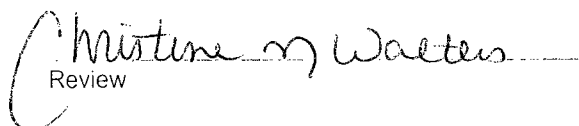
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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

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

Comments: Wash Bay, Halliburton Yard.

  
Analyst

  
Review

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.

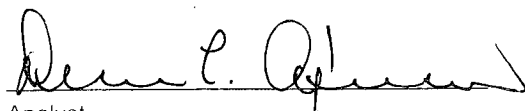
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

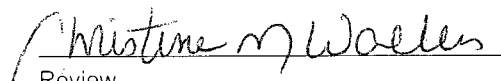
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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

13081

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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OIL CONSERVATION  
DIVISION

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: Conoco Phillips  5. Originating Site: San Juan 32-8 unit #240
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 3, T32N, R8W, San Juan County	Project #96052-159
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 No. 1 Diesel that was spilled during vandalism.

CWS, and a MSDS attached.

Estimated Volume ~8 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: September 22, 2004

TYPE OR PRINT NAME: Brandon Powell

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Hewitt</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>9/30/04</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>ENVIRON ENGR</u>	DATE: <u>10/5/04</u>

District I  
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Form C-138  
Revised March 17, 1999

Submit Original  
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(This space for State Use)		
APPROVED BY: <u></u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>9/30/04</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 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 32-8 Unit #240  API # 30-045-28274 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit K, Section 3, T32N, R8W 1718' FSL & 1470' FWL San Juan, New Mexico
4. Source and Description of Waste 8 cubic yards of dirt contaminated with No. 1 Diesel Fuel spilled during vandalism.	

I, Juanita Farrell 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): Juanita Farrell

Title: Regulatory Analyst

Phone Number: 505-599-3419

Date: September 17, 2004

(MSDS: 736215)

Page 1 of 8

**MATERIAL SAFETY DATA SHEET****Conoco No. 1 Diesel Fuel****1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Conoco No. 1 Diesel Fuel  
**Product Code:** 3501, 3511, 3554, 4195  
**Synonyms:** Conoco - MSDS# GASC0210  
Conoco Kerosene, Low Sulfur  
Conoco No. 1 Diesel (Low Sulfur)  
Conoco No. 1 Fuel Oil

**Intended Use:** Fuel  
**Chemical Family:** Petroleum hydrocarbon

**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

California Poison Control System: (800) 356-3129

Call CHEMTREC

North America: (800)424-9300

Others: (703)527-3887 (collect)

**Health Hazards/Precautionary Measures:** Skin cancer hazard. Causes 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:** Clear, light yellow, or light green (may be dyed red)

**Physical form:** Liquid

**Odor:** Kerosene

**NFPA Hazard Class:**

Health: 2 (Moderate)

Flammability: 2 (Moderate)

Reactivity: 0 (Least)

**HMIS Hazard Class**

Health: 2\* (Moderate)

Flammability: 2 (Moderate)

Physical Hazard: 0 (Least)

\*Indicates possible chronic health effects.

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

(MSDS: 736215)

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<u>HAZARDOUS COMPONENTS</u>	<u>% VOLUME</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Hydrodesulfurized Kerosene ..C9-16 CAS# 64742-81-0	0-100	200* mg/m <sup>3</sup>	ACGIH	TWA-SKIN
Hydrotreated Distillate, Light ..C9-16 CAS# 64742-47-8	0-100	(See: Kerosene ..C9-16)		
Kerosene ..C9-16 CAS# 8008-20-6	0-100	200* mg/m <sup>3</sup>	ACGIH	TWA-SKIN
Naphthalene CAS# 91-20-3	0-3	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.

\*Proposed ACGIH (2002)

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:** Mild to moderate skin irritant. Contact may cause redness, itching, burning, and skin damage. Prolonged or repeated contact may cause drying and cracking of the skin, dermatitis (inflammation), burns, and severe skin damage. Not acutely toxic by skin absorption, but prolonged or repeated skin contact may be harmful (see Section 11).

**Inhalation (Breathing):** Expected to have 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, vomiting, transient excitation followed by signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue) and pneumonitis (inflammation of the lungs).

**Cancer:** Skin cancer hazard (see Sections 11 and 15).

**Target Organs:** Inadequate data available for this material.

**Developmental:** Inadequate evidence available for this material. See Section 11 for developmental toxicity information of individual components, if any.

**Other Comments:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters' Syndrome). Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal.

200



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**Pre-Existing Medical Conditions:** Conditions aggravated by exposure may include skin disorders and respiratory (asthma-like) 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:** Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek 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 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: 100-150°F/38-66°C (TCC, ASTM D-56)  
OSHA Flammability Class: Combustible liquid  
LEL%: 0.7 / UEL%: 7.0  
Autoignition Temperature: 410°F/210°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

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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

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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:** A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

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: Clear, light yellow, or light green (may be dyed red)

Physical State: Liquid

Odor: Kerosene

pH: Not applicable

Vapor Pressure (mm Hg): 0.40

Vapor Density (air=1): >4.5

Boiling Point/Range: 300-572°F / 149-300°C

Freezing/Melting Point: <-40°F / <-40°C

Solubility in Water: <0.1%

Specific Gravity: 0.775-0.840

Volatile Organic Compounds (VOC) Content: 0.16 lb/1000 gal

Percent Volatile: 98-100 @ 545°F

Evaporation Rate (nBuAc=1): <1

Viscosity: 1.0-2.4 cSt @104°F (40°C)

Bulk Density: 6.73 lbs/gal

Flash Point: 100-150°F / 38-66°C (TCC, ASTM D-56)

Flammable/Explosive Limits (%): LEL: 0.7 / UEL: 7.0

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal ambient and anticipated storage and handling conditions of temperature and

(MSDS: 736215)

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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, and other hydrocarbons) and/or dangerously low oxygen levels.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Hydrodesulfurized Kerosene ..C9-16 (CAS# 64742-81-0)

**Carcinogenicity:** Application of hydrodesulfurized kerosene to mouse skin, twice a week for 12 months, resulted in an increased incidence of skin tumors. It has not been identified as a carcinogen by NTP, IARC or OSHA.

**Developmental:** Hydrodesulfurized kerosene applied to the skin of female rats at 494, 330, or 165 mg/kg daily for 7 consecutive weeks (prematuring, mating, and gestation), or for 8 consecutive weeks in males did not result in systemic, reproductive, or developmental toxicity.

### Hydrotreated Distillate, Light ..C9-16 (CAS# 64742-47-8)

**Carcinogenicity:** Application of a similar material, hydrodesulfurized kerosene, to mouse skin, twice a week for 12 months resulted in an increased incidence of skin tumors. This material has not been identified as a carcinogen by NTP, IARC or OSHA.

### Kerosene ..C9-16 (CAS# 8008-20-6)

**Carcinogenicity:** Application of kerosene to mouse skin, twice a week for 12 months, resulted in an increased incidence of skin tumors. It has not been identified as a carcinogen by NTP, IARC or OSHA.

### 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:

Hydrotreated Distillate Light (as Kerosene):

Dermal LS50=>2g/kg (Rabbit)

LC50>5mg/L (4-hr., Rat)

Oral LD50> 5g/kg (Rat)

#### Kerosene:

Dermal LD50>2,000 mg/kg (Rabbit)

LC50>5,000 ppm (4-hr., Rat)

Oral LD50: >5 g/kg (Rat), = 28 ml/kg (Rabbit), = 20 ml/kg (Guinea Pig)

## 12. ECOLOGICAL INFORMATION

When kerosenes and jet fuels escape into the environment due to leaks or spills, most of their constituent hydrocarbons will evaporate and be photodegraded by reaction with hydroxyl radicals in

the atmosphere. The half-lives in air for many of the individual hydrocarbons is less than one day. Less volatile hydrocarbons can persist in the aqueous environment for longer periods. They remain floating on the surface of the water; those that reach soil or sediment biodegrade relatively slowly. Soil contaminated with jet fuel can develop adapted microbial species able to use the fuel as a carbon source; soil aeration and nutrient supplementation can enhance this biodegradation.

Reported LC50/EC50 values for water-soluble fractions of kerosenes and jet fuels are usually in the range of 10 to 100 mg/liter. Adverse effects on the gills, pseudobranch, kidney and nasal mucosa have been reported in fish involved in spills of jet fuel. Juvenile clams may be particularly sensitive to marine sediments contaminated as a result of spilled jet fuel. Direct toxicity and fouling of sea birds from jet fuel can occur if birds dive through floating layers of spilled fuel.

Phytotoxic effects of jet fuel have been reported following exposure of plants to sprays or vapors. Lack of seed germination and inhibition of seedling growth may also occur. There is evidence for moderate bioaccumulation of the water-soluble hydrocarbons present in jet fuels.

### 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\*, NA1993, III  
**Non-Bulk Package Label:** Flammable or None\*  
**Bulk Package Placard/Marking:** Flammable/1993  
**Hazardous Substance/RQ:** None  
**Packaging References:** 49 CFR 173.150, 173.203, 173.242  
**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.

### 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	0-4.3

**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
Naphthalene	Cancer
Toluene	Developmental Toxicant

**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.

**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: 01/01/03

Previous Issue Date: 10/18/00

Product Code: 3501, 3511, 3554, 4195

Revised Sections: 1, 9, 11, 16

MSDS Number: 736215

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.

# ENVIROTECH INC.

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

September 23, 2004

Mr. Denny Foust  
NMOCD Environmental Geologist/ Deputy O&G inspector  
1000 Rio Brazos Road  
Aztec, NM 87410



**RE: THE ACCEPTANCE OF DIESEL CONTAMINATED SOIL.**

Dear Mr. Foust:

On September 17, 2004 Envirotech accepted 10cy of soil contaminated with No.1 diesel generated from vandalism at the Conoco Phillips San Juan 32-8 #240 location. It was accepted before receipt of NMOCD approval as a result of miscommunication in the absence of Monica Olsen of COPC and Brandon Powell of Envirotech.

On this date Juanita Farrell of Conoco called Envirotech and spoke to Vicki Young, because Morris Young was in a meeting and Brandon Powell was out of town. She asked if she had filled out the Certificate of Waste Status correctly. In turn Vicki Young went to Morris Young to see if it was indeed filled out correctly. He reviewed it and he replied that it was filled out properly. Vicki Young called Juanita Farrell back and told her that it was filled out right. Here is where the miscommunication occurred because it was assumed that since it was filled out right, that the soil could be received at the land farm. Since neither Vicki Young nor Juanita Farrell knew that this material needed NMOCD pre-approval since it was non-exempt. Because it was assumed that everything was in order, it was taken to and received at the land farm.

On the evening of September 22, 2004, my first day back to work, I noticed the Certificate of Waste Status for the non-exempt waste and I also noticed that we had already received the material. Morris Young was in a meeting so first thing on September 23, 2004 I spoke with him about the issue. I immediately called Denny Foust with the NMOCD to inform him of the situation and to find out what course of action that we needed to take.

To prevent future occurrences of these types of situations, when I am unavailable the only one that will be permitted to authorize the acceptance of material to the land farm will be Morris Young. We feel this will provide positive control and prevent any reoccurrences of premature soil acceptance.

Respectfully Submitted,

**ENVIROTECH, INC.**

A handwritten signature in cursive script, appearing to read "Brandon Powell".

Brandon Powell  
Landfarm Manager  
[bpowell@envirotech-inc.com](mailto:bpowell@envirotech-inc.com)

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"/> 8/28/04 <i>DE</i>	4. Generator: Halliburton Energy Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Jicarilla 460-15 #2
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, T30N, R3W, 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:

Contaminated soil from a hydraulic oil spill

CWS, MSDS, and Release Notification and Corrective Action attached

RECEIVED  
SEP 08 2004  
Environmental Bureau  
Oil Conservation Division

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

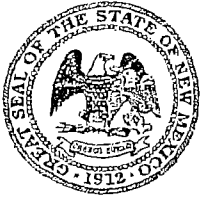
SIGNATURE *Brandon Powell* TITLE: Landfarm Manager DATE: September 7, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u><i>Denny Teut</i></u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>9/8/04</u>
APPROVED BY: <u><i>Ed Martin</i></u>	TITLE: <u>ENVIAO. ENGR.</u>	DATE: <u>9/8/04</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 Halliburton Energy Services 4109 East Main Street Farmington NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Black Hills Jicarilla 460-15 #2	Location of the Waste (Street address &/or ULSTR): <i>Section 15</i> <i>T-30N R-3W</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste Contaminated soil from a hydraulic oil spill.	

I, Kellie J. Skelton 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

☒ **XX 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):

☒ **XX** 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): Kellie J. Skelton

Title: HSE Technical Professional

Phone Number: 505-324-3540

Date: Sept 7, 04

**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-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Halliburton Energy Services	Contact Douglas Oakes
Address: 4109 E. Main Street	Telephone No. 505-324-3500 (x550)
Facility Name Farmington Main Yard	Facility Type Oil and Gas Services

Surface Owner Jicarilla	Mineral Owner Black Hills	Lease No. Black Hills Jicarilla 460-15#2
----------------------------	------------------------------	---

### LOCATION OF RELEASE

Unit Letter	Section 15	Township 30N	Range 3W	Feet from the 515	North/South Line North	Feet from the 665	East/West Line West	County Rio Arriba
-------------	---------------	-----------------	-------------	----------------------	---------------------------	----------------------	------------------------	----------------------

Latitude 36.65 Longitude 107.07

### NATURE OF RELEASE

Type of Release: spill of hydraulic oil	Volume of Release 110 gallons	Volume Recovered (all) 14 cubic yards total with soil
Source of Release Equipment failure	Date and Hour of Occurrence August 27, 2004 1615	Date and Hour of Discovery August 27, 2004 1615
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Charlie Perrin	
By Whom? Kellie J. Skelton	Date and Hour August 27, 2004 1630	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*

NA


Describe Cause of Problem and Remedial Action Taken: While pumping a cement job the passenger side displacement tank lost the sensory unit on the suction parker valve. This resulted in approximately 110 gallons of hydraulic oil spilling to soil on location

Describe Area Affected and Cleanup Action Taken.\*

(See attached report)

Halliburton contacted Envirotech to clean the spill area. The spill area was approximately 300 square feet in area and the depth ranged from 4" to 14".

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Kellie J. Skelton	Approved by District Supervisor:	
Title: HSE Technical Professional	Approval Date:	Expiration Date:
E-mail Address: 4109 E. Main Street	Conditions of Approval:	Attached <input type="checkbox"/>
Date: September 3, 2004 Phone: 505-324-3500 (x540)		

- Attach Additional Sheets If Necessary
- Attached is the Emergency Spill Response Report from Envirotech

210

# fann

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

**Product Trade Name:** FANN HYDRAULIC OIL

**Revision Date:** 01/24/2003

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

#### Identification of Substances or Preparation

**Product Trade Name:** FANN HYDRAULIC OIL  
**Synonyms:** None  
**Chemical Family:** Ester  
**Application:** Lubricant

**Company Undertaking Identification**  
 FANN Instruments Company  
 Deveron Facility, Howemoss Place  
 Kirkhill Industrial Estate  
 Dyce  
 Aberdeen, AB21 0GS  
 United Kingdom  
 Emergency Phone Number: +44 01224 776600 or +1 713 676 3000

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Number	PERCENT	EINECS	UK OEL/MEL	Germany MAK/TRK	Netherlands MAC	EEC Classification
Synthetic ester		60 - 100%		Not applicable	Not applicable	Not applicable	Not applicable

### 3. HAZARDS IDENTIFICATION

**Hazard Overview** May cause eye irritation.

### 4. FIRST AID MEASURES

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

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Eyes** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

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

**Notes to Physician** Not Applicable

### 5. FIRE FIGHTING MEASURES

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

**Unsuitable Extinguishing Media** None known.

**Special Exposure Hazards** Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce toxic gases.

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

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures** Use appropriate protective equipment.

**Environmental Precautionary Measures** Prevent from entering sewers, waterways, or low areas.

**Procedure for Cleaning/Absorption** Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

## 7. HANDLING AND STORAGE

**Handling Precautions** Avoid contact with eyes, skin, or clothing.

**Storage Information** Store away from oxidizers. Store in a cool well ventilated area. Keep container closed when not in use. Product has a shelf life of 24 months.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** Use in a well ventilated area.

**Respiratory Protection** Not normally needed. But if significant exposures are possible then the following respirator is recommended. Organic vapor respirator.

**Hand Protection** Impervious rubber gloves.

**Skin Protection** Normal work coveralls.

**Eye Protection** Wear safety glasses or goggles to protect against exposure.

**Other Precautions** None known.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Light brown
<b>Odor:</b>	Odorless
<b>pH:</b>	Not Determined
<b>Specific Gravity @ 20 C (Water=1):</b>	0.95
<b>Density @ 20 C (kg/l):</b>	0.95
<b>Bulk Density @ 20 C (kg/m³):</b>	102.4
<b>Boiling Point/Range (C):</b>	> 315
<b>Freezing Point/Range (C):</b>	Not Determined
<b>Flash Point/Range (C):</b>	> 271
<b>Flash Point Method:</b>	PMCC
<b>Autoignition Temperature (C):</b>	Not Determined
<b>Flammability Limits in Air - Lower (g/l):</b>	Not Determined
<b>Flammability Limits in Air - Lower (%):</b>	Not Determined
<b>Flammability Limits in Air - Upper (g/l):</b>	Not Determined

Flammability Limits in Air - Upper (%):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	Not Determined
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Not Determined
Solubility in Solvents (g/100ml):	Not Determined
VOCs (g/l):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined
Decomposition Temperature (C):	Not Determined

## 10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	Strong oxidizers.
Hazardous Decomposition Products	Toxic fumes. Carbon monoxide and carbon dioxide.
Additional Guidelines	Not Applicable

## 11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	Inhalation of mist or heated vapors may cause respiratory irritation.
Skin Contact	May cause mild skin irritation.
Eye Contact	May cause eye irritation.
Ingestion	May cause abdominal pain, vomiting, nausea, and diarrhea.
Aggravated Medical Conditions	None known.
Chronic Effects/Carcinogenicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity	Not determined
Genotoxicity:	Not determined

Reproductive /  
Developmental Toxicity:

Not determined

## 12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air) Not determined

Persistence/Degradability Not determined

Bio-accumulation Not Determined

### Ecotoxicological Information

Acute Fish Toxicity: Not determined

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Chemical Fate Information Not determined

Other Information Not applicable

## 13. DISPOSAL CONSIDERATIONS

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

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

## 14. TRANSPORT INFORMATION

### Land Transportation

ADR Not restricted

### Air Transportation

ICAO/IATA  
Not restricted

### Sea Transportation

IMDG  
Not restricted

### Other Shipping Information

Labels: None

## 15. REGULATORY INFORMATION

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

Classification Not Classified

**Risk Phrases** None

**Safety Phrases** None

**EINECS Inventory** This product, and all its components, complies with EINECS

**Germany, Water Endangering  
Classes (WGK)** WGK 1: Low hazard to waters.

## 16. OTHER INFORMATION

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

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

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

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

\*\*\*END OF MSDS\*\*\*

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

RECEIVED

SEP 03 2004

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"/>	Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505 5. Originating Site: Energy Air Drilling
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Energy Air Drilling
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) 6121 Hwy 64 Bloomfield 87413	Project #02058-005
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:

Contaminated soil resulting from spills created by vehicle maintenance.

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: September 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Feert</u>	TITLE: <u>Environmental Eng</u>	DATE: <u>9/2/04</u>
APPROVED BY: <u>LA Martin</u>	TITLE: <u>ENVIRO. ENGR.</u>	DATE: <u>9/2/04</u>



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Form C-138  
Revised March 17, 1999

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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Energy Air Drilling
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Energy Air Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Energy Air Drilling
7. Location of Material (Street Address or ULSTR) 6121 Hwy 64 Bloomfield 87413	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:

Contaminated soil resulting from spills created by vehicle maintenance.

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: September 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Wendy Kent TITLE: Environ/Engr DATE: 9/2/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

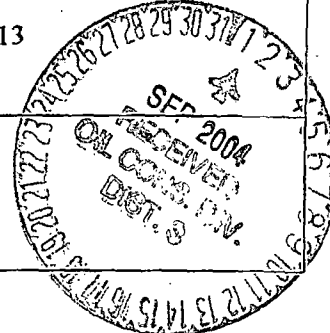
Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Energy Air 6121 Hwy 64 Bloomfield NM 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Energy Air yard (composite of the rest of the yard)	Location of the Waste (Street address &/or ULSTR): 6121 Hwy 64 Bloomfield NM 87413
attach list of originating sites as appropriate	
4. Source and Description of Waste  Contaminated soil resulting from spills created by vehicle maintenance.	



I, Lerald Tufly representative for :  
Print Name

Energy Air 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

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

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

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

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

☐ Other (description)

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

Name (Original Signature): [Signature]

Title: Member

Phone Number: 505-634-0113

Date: 08/29/04



# 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 Energy Air 6121 Hwy 64 Bloomfield NM 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Energy Air yard (SW Corner of the yard)	Location of the Waste (Street address &/or ULSTR): 6121 Hwy 64 Bloomfield NM 87413
attach list of originating sites as appropriate	
4. Source and Description of Waste  Contaminated soil resulting from spills created by vehicle maintenance.	

I, Jerry Tutty representative for :  
Print Name

Energy Air 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 ☒ XX NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

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

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

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

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

Name (Original Signature): [Signature]

Title: member

Phone Number: 505-634-0115

Date: 08/29/04

## TRACE METAL ANALYSIS

Client:	Energy Air	Project #:	02058-004
Sample ID:	Sample 1	Date Reported:	08-31-04
Laboratory Number:	30297	Date Sampled:	08-27-04
Chain of Custody:	12877	Date Received:	08-27-04
Sample Matrix:	Soil	Date Analyzed:	08-31-04
Preservative:	Cool	Date Digested:	08-30-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.004	0.001	5.0
Barium	0.092	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.003	0.001	5.0
Lead	0.004	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.002	0.001	1.0
Silver	ND	0.001	5.0

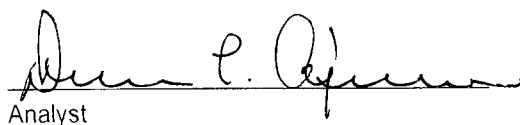
ND - Parameter not detected at the stated detection limit.

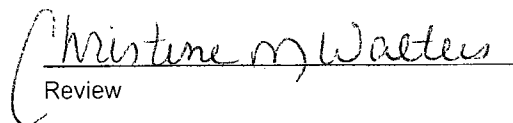
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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

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

Comments: **6121 US Hwy 64.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS

Client:	Energy Air	Project #:	02058-004
Sample ID:	Sample 2	Date Reported:	08-31-04
Laboratory Number:	30298	Date Sampled:	08-27-04
Chain of Custody:	12877	Date Received:	08-27-04
Sample Matrix:	Soil	Date Analyzed:	08-31-04
Preservative:	Cool	Date Digested:	08-30-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.006	0.001	5.0
Barium	0.246	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.005	0.001	5.0
Lead	0.007	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	0.001	1.0
Silver	ND	0.001	5.0

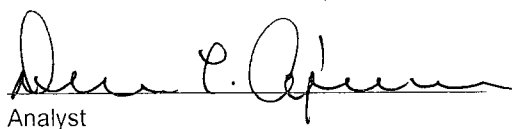
ND - Parameter not detected at the stated detection limit.

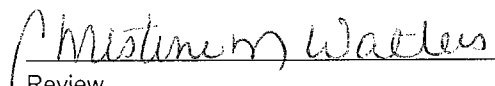
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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: **6121 US Hwy 64.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-31-04 QA/AC	Date Reported:	08-31-04
Laboratory Number:	30297	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-31-04
Condition:	N/A	Date Digested:	08-30-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Barium	ND	ND	0.001	0.192	0.190	1.0%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Lead	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

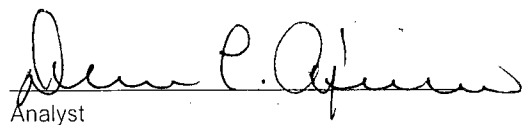
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.004	0.503	99.8%	80% - 120%
Barium	0.500	0.192	0.690	99.7%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.003	0.503	100.0%	80% - 120%
Lead	0.500	0.004	0.503	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.002	0.501	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

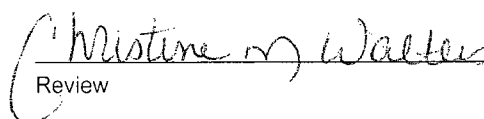
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SW-846, USEPA, December 1996.

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

Comments: QA/QC for samples 30297 - 30298.

  
Analyst

  
Review

12877

san juan reproduction 578-129

Ed martin

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

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Form C-138  
Revised March 17, 1999

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

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District Office

OIL CONSERVATION  
DIVISION

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 32-8 Unit #245
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 14, T31N, R8W, San Juan County	Project #96052-143
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved  All transporters must certify the wastes delivered are only those consigned for transport.	

## BRIEF DESCRIPTION OF MATERIAL:

Lube oil contaminated soil from a leaking compressor.

CWS and MSDS attached.



Estimated Volume ~18 cy Known Volume (to be entered by the operator at the end of the haul) 0 cy

SIGNATURE Brandon Powell TITLE: Landfarm Manager DATE: August 10, 2004  
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>Enviro/Engr</u>	DATE: <u>8/18/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro. Engr.</u>	DATE: <u>8/24/04</u>



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State of New Mexico  
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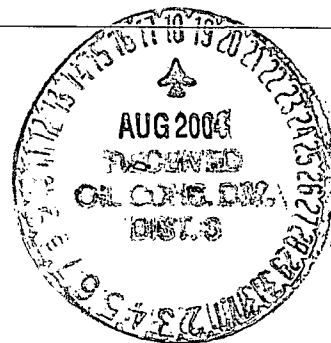
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### BRIEF DESCRIPTION OF MATERIAL:

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CWS and MSDS attached.



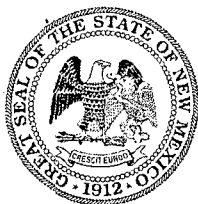
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SIGNATURE *Brandon Powell* TITLE: Landfarm Manager DATE: August 10, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Brandon Powell TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Darryl Keen* TITLE: Enviro/Eng DATE: 8/18/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



96052-143

# 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): San Juan 32-8 Unit #245  API # 30-045-28322 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit K, Section 14, T31N, R8W 1306' FSL & 1669' FWL San Juan County, New Mexico
4. Source and Description of Waste 18 cubic yards soil stained with lube oil from a leaking compressor. See attached MSDS for information.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: August 10, 2004

## MATERIAL SAFETY DATA BULLETIN

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1. PRODUCT AND COMPANY IDENTIFICATION

---

APPROVAL DATE: 12/09/94

PRODUCT NAME: MOBIL DELVAC 1200 SUPER 15W-40

SUPPLIER: MOBIL OIL CORP.

PRODUCTS AND TECHNOLOGY DEPT.

3225 GALLOWES RD.

FAIRFAX, VA 22037

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

Product and MSDS Information:

800-662-4525

703-849-3265

CHEMTREC:

800-424-9300

202-483-7616

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

---

## INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 8 for exposure limits (if applicable).

---

3. HAZARDS IDENTIFICATION

---

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

EFFECTS OF OVEREXPOSURE: No significant effects expected.

EMERGENCY RESPONSE DATA: Brown Liquid. DOT ERG No. - NA

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4. FIRST AID MEASURES

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

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem. However, if greater than 1/2 liter(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

---

## 5. FIRE-FIGHTING MEASURES

---

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): >

198(388) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Metal oxides. Carbon monoxide. Elemental oxides.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

---

## 7. HANDLING AND STORAGE

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HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

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

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m<sup>3</sup> is suggested for oil mist.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid

COLOR: Brown

ODOR: Mild

ODOR THRESHOLD: NA

pH: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 198(388) (ASTM D-92)

FLAMMABILITY: NA

AUTO FLAMMABILITY: NE

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NA

RELATIVE DENSITY, 15/4 C: 0.881

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 105.7

VISCOSITY AT 100 C, cSt: > 13.5

POUR POINT C(F): < -30(-22)

FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: EXEMPT IN U.S.

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

---

10. STABILITY AND REACTIVITY

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STABILITY (THERMAL, LIGHT, ETC.): Stable

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Metal oxides. Carbon monoxide.  
Elemental oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

---

11. TOXICOLOGICAL DATA

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---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).

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3).

OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized above are based on testing of representative Mobil products. Exposure to vapors generated at 400F at levels 400 times the TLV for oil mists (5 mg/m3), then cooled to room temperature, resulted in no significant adverse effects.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

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

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using the Mobil Modified Ames Test.

(Section continued next page)

30

## ---SENSITIZATION (SUMMARY)---

Representative Mobil formulations have not caused skin sensitization in guinea pigs.

## ---OTHER TOXICOLOGY DATA---

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

---

12. ECOLOGICAL INFORMATION

---

## ENVIRONMENTAL FATE AND EFFECTS:

Acute LC/EC50 Fish: Juvenile Rainbow Trout: Practically non-toxic ---Based on testing of similar products.

---

13. DISPOSAL CONSIDERATIONS

---

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

---

14. TRANSPORT INFORMATION

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USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

-----  
15. REGULATORY INFORMATION  
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Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, and DSL.

EU Classification and Labeling: EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:  
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains the following SARA (313) Toxic Release Chemicals:

CHEMICAL NAME	CAS NUMBER	CONC.
PHOSPHORODITHOIC ACID, O,O-DI C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP)	68649-42-3	1.22%

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.13%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI	68649-42-3	18, 20, 21, 22, 24,
C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (1.22%)		25

## --- REGULATORY LISTS SEARCHED ---

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI 293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI RTK

Code key: CARC = Carcinogen; SUS = Suspected Carcinogen



---

16. OTHER INFORMATION

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CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

USE: ENGINE OIL

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

---

See container label for ingredient information.

\*\*\*\*\*  
For Mobil Use Only: MHC: 1\* 1\* 0\* 1\* 1\*, MPPEC: A, REQ: US -  
MARKETING  
\*\*\*\*\*

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.

\*\*\*\*\*  
Prepared by: Mobil Oil Corporation  
Environmental Health and Safety Department, Princeton, NJ

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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 type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Compressor Systems Inc. 5. Originating Site: San Juan 32-8 #237
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) 1790'FNL, 1093'FEL, Sec 23, T31N, R8W, San Juan County	Project #01038-027
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:**

Soil contaminated with screw compressor oil generated when an oil line broke. Material may not have been in contact with production stream.

CWS and analytical attached.

*Verbal given by DGF*



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

SIGNATURE Landrea R Cupps TITLE: Landfarm Manager DATE: July 20, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Fawcett</u>	TITLE: <u>Enviro/ENGR</u>	DATE: <u>7/23/04</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro. ENGR.</u>	DATE: <u>7/28/04</u>

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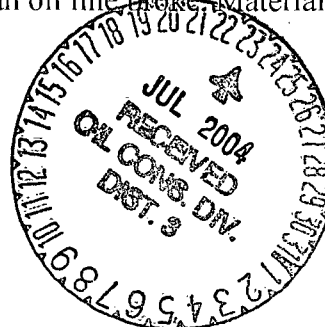
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3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 1790'FNL, 1093'FEL, Sec 23, T31N, R8W, San Juan County	8. State: New Mexico
9. <u>Circle One</u> : A. 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:

Soil contaminated with screw compressor oil generated when an oil line broke. Material may not have been in contact with production stream.

CWS and analytical attached.



Verbal Given *[Signature]*

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE *Landrea R Cupps* TITLE: Landfarm Manager DATE: July 20, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *[Signature]* TITLE: Environ/Engl DATE: 7/23/04  
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 Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): san jaun 32-8#237 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 1790' fml 1093' fel sec 23, t-31-n, r-8-w
4. Source and Description of Waste Soil contaminated with screw compressor oil generated when an oil line broke. Material has been in contact with the production stream. <i>may not have</i>	

I, Mitchell Davis representative for :  
Print Name

Compressor Systems Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

Name (Original Signature):

Title: tech

Phone Number: (505) 632-5501

Date: 07/12/04

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	CSI	Project #:	01038-027
Sample ID:	#1	Date Reported:	07-14-04
Lab ID#:	29538	Date Sampled:	07-12-04
Sample Matrix:	Soil	Date Received:	07-12-04
Preservative:	Cool	Date Analyzed:	07-14-04
Condition:	Cool and Intact	Chain of Custody:	12538

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

**IGNITABILITY:** **Negative**

**CORROSIVITY:** **Negative** **pH = 7.91**

**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: **32-8 #237.**

Christine M. Walters  
Analyst

Sandra R. Cupps  
Review

Client:	CSI	Project #:	01038-027
Sample ID:	#1	Date Reported:	07-19-04
Laboratory Number:	29538	Date Sampled:	07-12-04
Chain of Custody:	12538	Date Received:	07-12-04
Sample Matrix:	Soil	Date Analyzed:	07-19-04
Preservative:	Cool	Date Digested:	07-13-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.006	0.001	5.0
Barium	0.196	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	0.002	0.001	1.0
Silver	ND	0.001	5.0

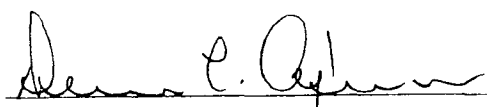
ND - Parameter not detected at the stated detection limit.

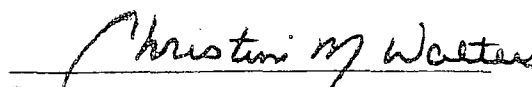
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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

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

Comments: **32-8 #237.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-19-04 QA/AC	Date Reported:	07-19-04
Laboratory Number:	29520	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	07-19-04
Condition:	N/A	Date Digested:	07-12-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%
Barium	ND	ND	0.001	0.221	0.220	0.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

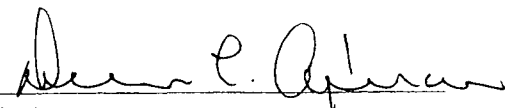
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.006	0.505	99.8%	80% - 120%
Barium	0.500	0.221	0.720	99.9%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.001	0.501	100.0%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.002	0.501	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

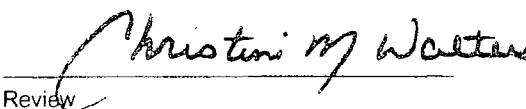
ND - Parameter not detected at the stated detection limit.

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 29520 - 29523, 29536 - 29539, 29551 - 29552.

  
Analyst

  
Review

12538

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

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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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		4. Generator: U.S. Department of Energy, National Nuclear Security Administration, Nevada Site Office
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2		5. Originating Site: Gasbuggy
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401		6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) SW/4, Sec 36, T29N, R4W, Rio Arriba County, Carson National Forest, Jicarilla Ranger District		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:

Contaminated drilling mud from 4 pits: Well GB-E Mud Pit A, Well GB-E Mud Pit D, Well GB-E Mud Pit E, and Well GB-D Mud Pit. Wastewater may be generated from decontamination of equipment during field activities.

CWS attached.

Estimated Volume 5000 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landra R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: July 7, 2004

TYPE OR PRINT NAME: Landra Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Stewart

TITLE: Environmental Eng

DATE: 7/23/04

APPROVED BY: Ed Martin

TITLE: Enviro. Engr.

DATE: 7/28/04

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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State of New Mexico  
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Revised March 17, 1999

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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	5. Originating Site: Gasbuggy
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) SW/4, Sec 36, T29N, R4W, Rio Arriba County, Carson National Forest, Jicarilla Ranger District	8. State: New Mexico
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BRIEF DESCRIPTION OF MATERIAL:

Contaminated drilling mud from 4 pits: Well GB-E Mud Pit A, Well GB-E Mud Pit D, Well GB-E Mud Pit E, and Well GB-D Mud Pit. Wastewater may be generated from decontamination of equipment during field activities.

CWS attached.

Estimated Volume 5000 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: July 7, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Teut TITLE: Enso/Eng DATE: 7/23/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



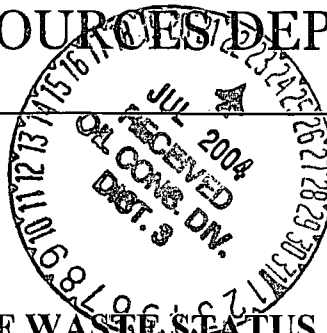
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division


## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address U.S. Department of Energy National Nuclear Security Administration Nevada Site Office Las Vegas, NV	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Gasbuggy Site, Rio Arriba County, Carson National Forest, Jicarilla Ranger District, East of Farmington, New Mexico SW ¼ of Section 36, Township 29 North, Range 4 West, New Mexico Principal Meridian	
Location of the Waste (Street address &/or ULSTR): SW ¼ of Section 36, Township 29 North, Range 4 West, New Mexico Principal Meridian	
Attach list of originating sites as appropriate	
4. Source and Description of Waste Excavation of contaminated (>100 mg/kg TPH) drilling mud from four locations: Well GB-E Mud Pit A, Well GB-E Mud Pit D, Well GB-E Mud Pit E, and Well GB-D Mud Pit. Wastewater may be generated from decontamination of equipment during field activities.	

I, Timothy R. Echelard representative for :  
Print Name

US Department of Energy, National Nuclear Security Administration / Nevada Site Office (NNSA/NSO) 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: Task Manager, Stoiller Navarro joint Venture, subcontracted to the DOE NNSA/NSO

Phone Number: 702-295-2043

Date: 7-7-2004

## Summary of Corrective Action Plan

This summary describes the corrective action that the National Nuclear Security Administration, Nevada Operations Office (NNSA/NV) proposes to be completed at the Gasbuggy Site. The primary objective of the corrective action is to remove approximately 5,000 cubic yards of drilling mud containing Total Petroleum Hydrocarbons (TPH) above the agreed upon limit of 100 milligrams per kilogram (mg/Kg), while minimizing impact to the surrounding environment.

The Gasbuggy Site is located approximately 55 air miles east of Farmington, New Mexico, in Rio Arriba County within the Carson National Forest. The corrective action site includes the previously disturbed areas consisting of the drilling mud pits in the surface ground zero (SGZ), and the Well GB-D areas. The use of these lands for Project Gasbuggy was established in a Memorandum of Understanding, dated March 23, 1967, between the U.S. Department of Agriculture's U.S. Forest Service (USFS) and the U.S. Atomic Energy Commission (AEC) (predecessors to the U.S. Department of Energy [DOE]). Additionally, by land withdrawal action of Public Order 4232, dated June 22, 1967, the U.S. Department of the Interior, Bureau of Land Management (BLM) withdrew from all forms of appropriation, including mining and mineral leasing laws, and reserved for use by the AEC the surface and subsurface of lands within Section 36, Township 29 north, Range 4 west, New Mexico Principal Meridian.

The remediation effort will consist of the following construction / excavation activities:

1. Mobilization of required equipment, materials, and personnel; and set-up of temporary office and storage areas in the SGZ previously established area.
2. Installation of temporary control fences, and erosion and sedimentation controls at SGZ and the Well GB-D Area, including straw bale check dams, and silt fences.
3. Construction of access roads, stabilized exits, and a temporary weigh scale, at Surface Ground Zero (SGZ) and the Well GB-D Area.
4. Removal of overburden material (clean soil) and storage at temporary stockpile location within the boundaries of the original site.
5. Excavate Total Petroleum Hydrocarbon (TPH) - Diesel Range Organics (DRO) contaminated drilling mud from 3 mud pits associated with well GBE in the SGZ area, and the Well GB-D Mud pit according to approved drawings.
6. Transport all (~5000 cy) TPH-DRO contaminated drilling mud to the Envirotech, Inc. land farm in Bloomfield, New Mexico.
7. Perform confirmatory sampling and additional excavation as needed.
8. Place gravel from temporary access road, and overburden material (clean soil) in mud pit excavations.
9. Place topsoil cover over overburden material.
10. Grade all disturbed areas.
11. Revegetate mud pits, and all disturbed areas.

Upon completion of field activities new as-built drawings and documents will be generated showing the new contours and drainage.

## **Statement of Work / Requested Services for Envirotech**

### **Scope:**

The scope of services requested from Envirotech for the Gasbuggy project includes: the transportation and disposal of approximately 4200- 5000 cubic yards of TPH-DRO contaminated soils; the pick-up and disposal of process generated waste water from either decontamination efforts or trapped runoff water; lab testing of confirmatory field samples for TPH; disposal of sanitary waste as needed.

### **Responsibilities:**

The Stoller-Navarro Joint Venture (SNJV) will provide all of the site preparation, excavation, loading, decontamination, and weighing of transport vehicles. SNJV will also: maintain site control and safety; collect all field and confirmatory samples; conduct onsite clean-up and decontamination of sampling equipment.

Envirotech will be responsible for the safety and conduct of drivers during the transport and disposal of TPH contaminated soils, and the transport and disposal of associated waste water.

### **Requested services:**

Provide insured, qualified, CDL drivers and transport vehicles meeting all DOT requirements to meet a minimum of twenty-four 15 yard or better hauls per working day (12 trucks 2 trips per day) for the transport of 4200 to 5000 cubic yards of TPH-DRO contaminated soils from the Gasbuggy site to the Envirotech landfarm. Route of travel would be US 34 east of Jicarilla road J10 south approximately 8 miles to FS road 357 then west approximately one mile to the site.

Dispose of transported contaminated soils in an area permitted by the New Mexico OCD for acceptance of non-hazardous oilfield-contaminated solid waste (Envirotech Landfarm #2).

Provide vacuum truck service for the pumping and disposal of process related waste water resulting from either decontamination or trapped runoff water. Waste water will be held in a 5,000 gallon Frac tank on site. It is not anticipated the more than 5,000 gallons of waste water will be generated for disposal.

Provide laboratory services for analysis of 50-60 field screening samples to include Total Petroleum Hydrocarbons and 1,2,4-trimethylbenzene. Samples would be submitted in groups of 4-10 with delivery prior to 3 PM and results expected the next day.

Provide disposal of process generated industrial and decontamination related waste to include gloves, towels, boot covers, and other miscellaneous waste. Sanitary waste would be delivered to a location of Envirotech's choosing.

Provide certified clean fill soils as needed to backfill and contour site back to original conditions. The amount of required fill will not be known until contouring has begun but is expected to range from none to less than 1500 cubic yards.

### **Work schedule:**

The work schedule is driven by two factors, one being weather and the other being the need to transport all of the contaminated soils by September 3, 2005. Based on 24 hauls per day of 15

yards per haul 14 days would be needed, allowing for weather or equipment related delays a total of 18 days is permitted.

Transport would be conducted on a six day week from Monday through Saturday. Due to the weather pattern of anticipated rains in the afternoons the first truck should be available for loading on the site at dawn (6 AM) with trucks paced on 20 minute intervals. This schedule and the dates of request may be altered with the availability of either more hauls per day or larger capacity trucking.

**Dates of request:**

The current work plan would start with the first trucks being loaded at dawn (6 AM) on August 16<sup>th</sup> and continuing until completed (estimated to be NLT September 3<sup>rd</sup>).

**Contingencies:**

In the event of inclement weather or the deterioration of access roads transportation shall cease until such time as the roads become safely passable. This decision will be made on a daily basis and be a collaborative effort on the SNJV and Envirotech management.

**Deliverables / Documentation:**

**Before Start:**

Documentation of driver qualification, CDL, and vehicle DOT inspections shall be available for inspection either in the Envirotech office or with the individual driver. -

Certificates of insurance for all trucks stating a minimum of: Workers Compensation - \$1,000,000 per occurrence. Comprehensive General Liability - \$5,000,000.00 per occurrence.

**Post activity:**

Certificate of disposal for disposed of soils.

Certificate of disposal for disposed of waste water.

Certificates for clean fill soil if needed

Sample result forms

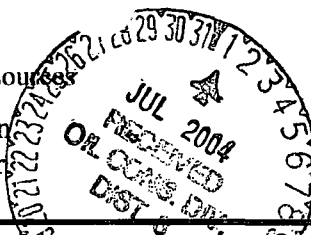
Signed shipping forms for each transport.

District I  
1025 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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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: El Paso Field Services  5. Originating Site: Chaco Plant  6. Transporter: TBA  8. State: New Mexico  Project #97057-085
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) SW/4 of Section 16, T26N, R12W, 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:

Soil stained with used lubricating oil and amine. Material was previously approved in July 2003 but was never received. Additional material is now in pile so another analysis was conducted.

CWS and Analytical Attached along with original approval paperwork.

Estimated Volume 600 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: July 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

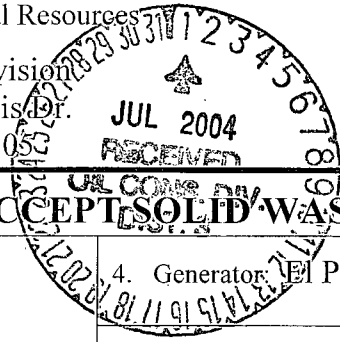
(This space for State Use)		
APPROVED BY: <u>Denny J. Jant</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>7/1/04</u>
APPROVED BY: <u>Ed M. Martin</u>	TITLE: <u>Enviro. Engr</u>	DATE: <u>7/13/04</u>

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
4301 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  
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**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: El Paso Field Services  5. Originating Site: Chaco Plant
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) SW/4 of Section 16, T26N, R12W, San Juan County	Project #97057-085
9. <u>Circle One</u> :  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved  All transporters must certify the wastes delivered are only those consigned for transport.	

**BRIEF DESCRIPTION OF MATERIAL:**

Soil stained with used lubricating oil and amine. Material was previously approved in July 2003 but was never received. Additional material is now in pile so another analysis was conducted.

CWS and Analytical Attached along with original approval paperwork.

Estimated Volume 600 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: July 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Derry Zant</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>7/1/04</u>
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: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Chaco Plant	Location of Waste (Street address &/or ULSTR): NW/4, Section 16, T26N, R12W, San Juan Co., NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with amine and lubricating oil	

I, David Bays representative for:  
Print Name

El Paso Field Services Co. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is:  
(Check appropriate classification)

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

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

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

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

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: Principal Environmental Scientist

Date: June 24, 2004

Oil Conservation Division  
Phone: (505) 334-6178

\* 1000 Rio Brazos Road \*  
\* Fax (505) 334-6170 \*

Aztec, NM87410  
<http://www.emnrd.state.nm.us>

# ENVIROTECH inc.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

June 23, 2004

Project #97057-085

Mr. David Bays  
El Paso Field Services  
614 Reilly Avenue  
Farmington, New Mexico 87401

Phone (505) 599-2256  
Fax (505) 599-2119

**RE: CHACO STATION ANALYTICAL RESULTS**

Dear Mr. Bays:

Attached, please find the analytical results for RCRA (8) Metals Analyses performed on a 5-Point Composite Sample taken from the stockpile of used lubricating oil and a sample taken from drummed Amine located at the Chaco Plant. Envirotech took these samples on June 7, 2004.

The lubricating oil stained soil was previously approved for acceptance by the NMOCD in July of 2003 but the material was never received. Based on these analytical results, the material should be acceptable for remediation at the NMOCD Permitted Soil Remediation Facility, Landfarm #2 (Permit No. NM-01-0011), located near Hilltop, New Mexico. Please submit a new Certificate of Waste Status for the soil and amine so that Envirotech can complete the paperwork required by the NMOCD. A Certificate was faxed to your office for this material on June 22, 2004.

Should you have any questions or need any additional information in order to complete the Certificate of Waste Status, please do not hesitate to contact our office at (505) 632-0615. Your timely response to this matter will be greatly appreciated.

Sincerely,

**ENVIROTECH INC.**



Landrea Cupps  
Landfarm Manager  
[ljackson@envirotech-inc.com](mailto:ljackson@envirotech-inc.com)

Attached: Analytical Results

LRC:office/client/LF/97057 EPFS/97057-085/062304 Results.doc

Client:	EPFS	Project #:	97057-085
Sample ID:	Amine	Date Reported:	06-08-04
Laboratory Number:	28966	Date Sampled:	06-07-04
Chain of Custody:	12256	Date Received:	06-07-04
Sample Matrix:	Solid	Date Analyzed:	06-08-04
Preservative:	Cool	Date Digested:	06-07-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.027	0.001	5.0
Barium	0.822	0.001	100
Cadmium	0.001	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	0.014	0.001	1.0
Silver	ND	0.001	5.0

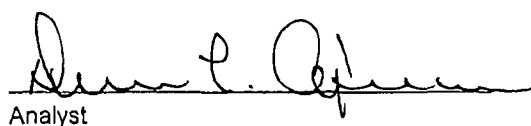
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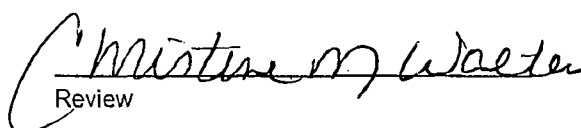
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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: **Chaco Station.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS

Client:	EPFS	Project #:	97057-085
Sample ID:	5 Point	Date Reported:	06-08-04
Laboratory Number:	28967	Date Sampled:	06-07-04
Chain of Custody:	12256	Date Received:	06-07-04
Sample Matrix:	Soil	Date Analyzed:	06-08-04
Preservative:	Cool	Date Digested:	06-07-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.008	0.001	5.0
Barium	0.412	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	0.003	0.001	1.0
Silver	ND	0.001	5.0

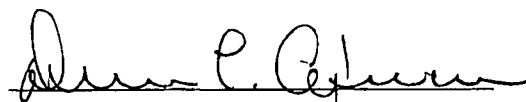
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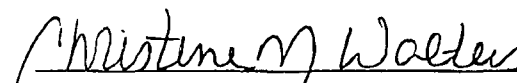
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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: **Chaco Station.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-08-04 QA/AC	Date Reported:	06-08-04
Laboratory Number:	28956	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	06-08-04
Condition:	N/A	Date Digested:	06-07-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.012	0.012	0.0%	0% - 30%
Barium	ND	ND	0.001	0.486	0.487	0.2%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.008	0.008	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

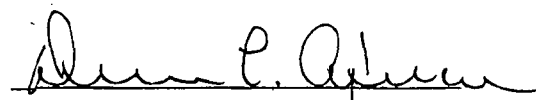
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.012	0.511	99.8%	80% - 120%
Barium	0.500	0.486	0.985	99.9%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.002	0.501	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.008	0.507	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

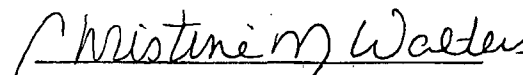
ND - Parameter not detected at the stated detection limit.

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 28956 - 28958, 28966 - 28967.

  
Analyst

  
Review

12256

san juan reproduction 578-129

RECEIVED

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 87411

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

State of New Mexico

Energy Minerals and Natural Resources

JUL 21 2003

JUL 18 2003

Oil Conservation Division

Environmental Bureau

Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, NM 87505OIL CONSERVATION  
DIVISIONForm 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"/> <sup>verbal</sup> 5/27 7/16/03	4. Generator: El Paso Field Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site: Chaco Plant
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) SW/4 of Section 16, T26N, R12W, San Juan County	Project #97057-085
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 stained with used lubricating oil.

CWS and Analytical Attached

Estimated Volume 600 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cySIGNATURE Landrea R. Jackson TITLE: Environmental Administrative Assistant DATE: 07/14/03  
Waste Management Facility Authorized AgentTYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Keent TITLE: Enviro/Engl DATE: 7/16/03  
APPROVED BY: Monty J. J. TITLE: Environmental Geologist DATE: 7/21/03

072103-5

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:  El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name:  Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):  Chaco Plant	Location of Waste (Street address &/or ULSTR):  SW/4 of Section 16, T26N, R12W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste  Soil stained with used lubricating oil	

I, David Bays representative for:  
(Print Name)

El Paso Field Services Co. do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT Oilfield waste

☒ 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

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: July 14, 2003



Client:	EPFS	Project #:	97057-085
Sample ID:	Composite Sample	Date Reported:	07-09-03
Laboratory Number:	26054	Date Sampled:	07-08-03
Chain of Custody:	11098	Date Received:	07-08-03
Sample Matrix:	Soil	Date Analyzed:	07-09-03
Preservative:	Cool	Date Digested:	07-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	ND	0.001	5.0
Barium	8.55	0.001	100
Cadmium	ND	0.001	1.0
Chromium	1.18	0.001	5.0
Lead	0.922	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

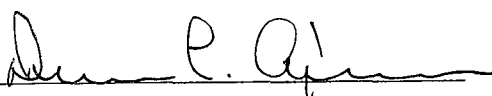
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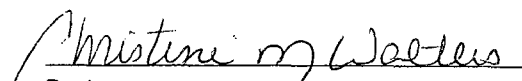
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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: **Chaco Plant.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-09-TM QA/QC	Date Reported:	07-09-03
Laboratory Number:	26054	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	07-09-03
Condition:	N/A	Date Digested:	07-09-03

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	8.55	8.53	0.2%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	1.18	1.17	0.8%	0% - 30%
Lead	ND	ND	0.001	0.922	0.920	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	ND	ND	0.0%	0% - 30%

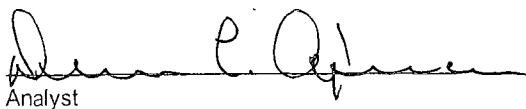
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	ND	0.498	99.6%	80% - 120%
Barium	0.500	8.55	9.04	99.9%	80% - 120%
Cadmium	0.500	ND	0.499	99.8%	80% - 120%
Chromium	0.500	1.18	1.66	98.8%	80% - 120%
Lead	0.500	0.922	1.41	99.2%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

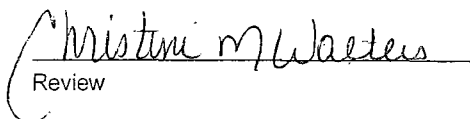
ND - Parameter not detected at the stated detection limit.

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.

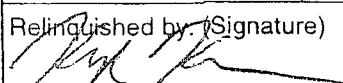
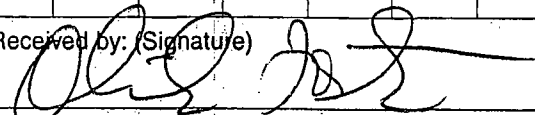
Comments: QA/QC for sample 26054.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

11098

Client / Project Name <b>EPFS</b>			Project Location <b>Chaco Plant</b>		ANALYSIS / PARAMETERS								
Sampler: <b>KPK</b>			Client No. <b>97057-085</b>		No. of Containers <b>1</b>	RCRA Metals <b>✓</b>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
Composite Sample	7/8/03	10:00	26054	Soil									
Relinquished by: (Signature) 			Date 7/8/03	Time 11:00	Received by: (Signature) 			Date 7/8/03	Time 11:00				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

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

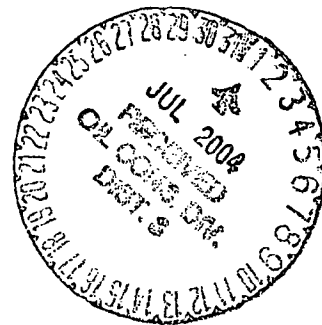
### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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: Coastal Chemical, LLC  5. Originating Site: Loading Pad in Yard
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Coastal Chemical
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) 1130 Madison Lane, Farmington	Project #95007-012-002
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved  All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

New motor oil spilled onto concrete loading pad & mixed with Floor Dry.

CWS and MSDS attached.



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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: July 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>7/1/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/ENGR</u>	DATE: <u>7/13/04</u>

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

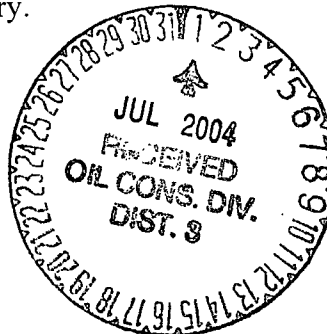
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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: Coastal Chemical, LLC 5. Originating Site: Loading Pad in Yard
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Coastal Chemical
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) 1130 Madison Lane, Farmington	Project #95007-012-002
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

### BRIEF DESCRIPTION OF MATERIAL:

New motor oil spilled onto concrete loading pad & mixed with Floor Dry.

CWS and MSDS attached.



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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: July 1, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY <u>Wendy Kent</u>	TITLE <u>Enviro/Engr</u>	DATE <u>7/1/04</u>
APPROVED BY _____	TITLE _____	DATE _____

260



# 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 COASTAL CHEMICAL 1130 MADISON LANE FARMINGTON NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): YARD OIL LOADING PAD	Location of the Waste (Street address &/or ULSTR):
attach list of originating sites as appropriate	
4. Source and Description of Waste  VIRGIN MOTOR OIL SPILLED ON PAD MIXED WITH FLOOR DRY AND OIL RAGS.	

I, Ryan Arnold representative for :  
Print Name

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

☐ EXEMPT oilfield waste

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

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

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

☒ MSDS Information  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

☐ Other (description)

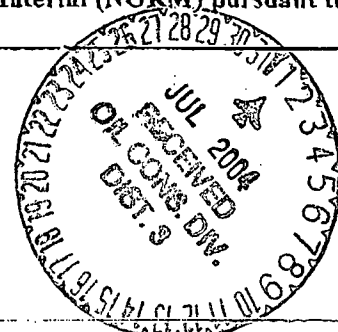
This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Ryan Arnold

Title: WAREHOUSE SUPERVISOR

Phone Number: 326-5095

Date: 6-30-04



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>

**ExxonMobil****Material Safety Data Sheets**[New Search](#)[Get This Document](#)

602466-00 MOBIL PEGASUS 805  
MATERIAL SAFETY DATA BULLETIN

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**1. PRODUCT AND COMPANY IDENTIFICATION**

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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.ihssolutions.com/>

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

OTHER INGREDIENTS:

Substance Name Approx. Wt%

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POLY BUTENYL SUCCINIMIDE 1-5

See Section 8 for exposure limits (if applicable).

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**3. HAZARDS IDENTIFICATION**

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Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15).

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.

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#### 4. FIRST AID MEASURES

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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.

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#### 5. FIRE-FIGHTING MEASURES

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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

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#### 6. ACCIDENTAL RELEASE MEASURES

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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

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## 7. HANDLING AND STORAGE

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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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### OCCUPATIONAL EXPOSURE LIMITS:

When mists/aerosols can occur, the following are recommended: 5 mg/m<sup>3</sup> (as oil mist) - ACGIH Threshold Limit Value (TLV), 10 mg/m<sup>3</sup> (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m<sup>3</sup> (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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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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): 200 (392)

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

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#### 10. STABILITY AND REACTIVITY

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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.

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#### 11. TOXICOLOGICAL DATA

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##### ---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.

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12. ECOLOGICAL INFORMATION  
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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 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.

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13. DISPOSAL CONSIDERATIONS  
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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

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.

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14. TRANSPORT INFORMATION  
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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

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15. REGULATORY INFORMATION  
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US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:  
CHEMICAL NAME CAS NUMBER LIST CITATIONS \*

-----  
ZINC (ELEMENTAL ANALYSIS) (0.03%) 7440-66-6 22  
PHOSPHORODITHOIC ACID, O,O-DI 68649-42-3 22  
C1-14-ALKYL ESTERS, ZINC SALTS (2:  
1) (ZDDP) (0.33%)

--- 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

\* EPA recently added new chemical substances to its TSCA Section 4 test rules. Please contact the supplier to confirm whether the ingredients in this product currently are on a TSCA 4 or TSCA 12b list.

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

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16. OTHER INFORMATION  
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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:

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,

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Prepared by: ExxonMobil Oil Corporation  
Environmental Health and Safety Department, Clinton, USA

**Emergency Numbers**

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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 type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Compressor Systems Inc.  5. Originating Site: Unit Wash Area in Yard  6. Transporter: TBA  8. State: New Mexico  Project #01038-025
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) 5595 US Hwy 64, Farmington, 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:

Soil contaminated with oil generated when units are washed in yard area.

CWS and analytical attached.

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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: June 28, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Dennis Deut</u>	TITLE: <u>Environmental / Engr</u>	DATE: <u>6/1/04</u>
APPROVED BY: <u>Ed Martin</u>	TITLE: <u>Enviro. ENGR.</u>	DATE: <u>7/13/04</u>

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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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 type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Compressor Systems Inc.
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Unit Wash Area in Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 5595 US Hwy 64, Farmington, San Juan County	8. State: New Mexico
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Soil contaminated with oil generated when units are washed in yard area.

CWS and analytical attached.

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

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: June 28, 2004

TYPE OR PRINT NAME: Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Teat

TITLE: Enviro/Eng

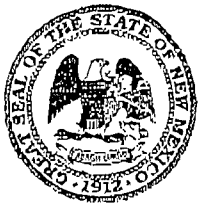
DATE: 7/1/04

APPROVED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

01038-025

BILL RICHARDSON

Governor

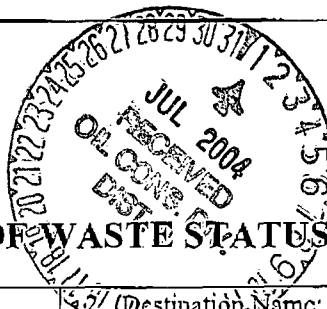
Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):  5595 US Hwy 64 Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413  attach list of originating sites as appropriate	
4. Source and Description of Waste  Soil contaminated with oil generated when units are washed in yard area.	

I, Mitchell Davis representative for :  
Print Name

Compressor Systems Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

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

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

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

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

☐ Other (description)

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

Name (Original Signature): [Signature]

Title: Tech

Phone Number: (505) 632-5501 6124104

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Compressor Systems Inc.	Project #:	01038-025
Sample ID:	Yard	Date Reported:	06-26-04
Lab ID#:	29309	Date Sampled:	06-23-04
Sample Matrix:	Soil	Date Received:	06-24-04
Preservative:	Cool	Date Analyzed:	06-25-04
Condition:	Cool and Intact	Chain of Custody:	12444

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.16

REACTIVITY: Negative

### RCRA Hazardous Waste Criteria

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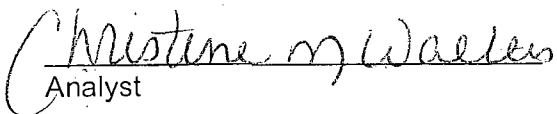
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.  
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

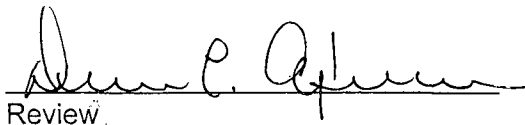
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.  
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

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

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

Comments: Yard Unit Wash Area in Yard.

  
Analyst

  
Review

Client:	Compressor Systems Inc.	Project #:	01038-025
Sample ID:	Yard	Date Reported:	06-26-04
Laboratory Number:	29309	Date Sampled:	06-23-04
Chain of Custody:	12444	Date Received:	06-24-04
Sample Matrix:	Soil	Date Analyzed:	06-26-04
Preservative:	Cool	Date Digested:	06-25-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.007	0.001	5.0
Barium	0.364	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.003	0.001	5.0
Lead	0.004	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	0.001	1.0
Silver	ND	0.001	5.0

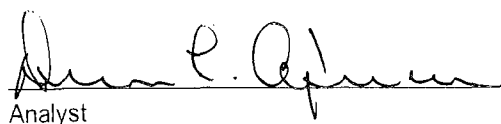
ND - Parameter not detected at the stated detection limit.

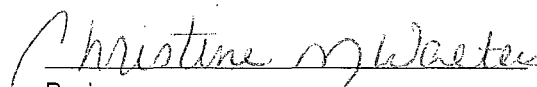
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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: Yard Unit Wash Area in Yard.

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-26-04 QA/AC	Date Reported:	06-26-04
Laboratory Number:	29296	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	06-26-04
Condition:	N/A	Date Digested:	06-25-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.012	0.012	0.0%	0% - 30%
Barium	ND	ND	0.001	0.432	0.430	0.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

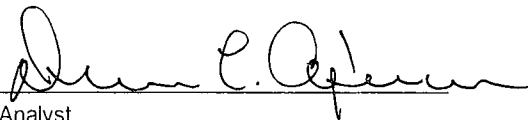
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.012	0.511	99.8%	80% - 120%
Barium	0.500	0.432	0.929	99.7%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.001	0.501	100.0%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.007	0.506	99.8%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

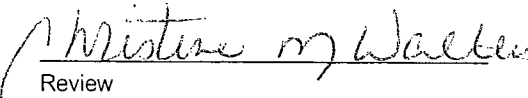
ND - Parameter not detected at the stated detection limit.

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 29296 - 29305, 29309.

  
Analyst

  
Review

12444

San Juan reproduction 570 400

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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JUN 24 2004

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: Foutz & Bursum  5. Originating Site: Blancett Bypass, Arkansas Loop Road
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Foutz & Bursum
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 6, T31N, R9W, Arkansas Loop Road – Blancett Bypass	Project #91350-001
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:

New diesel contaminated soil generated when an aluminum fuel tank fell off a truck spilling ~20 gallons onto oilfield road.

CWS & MSDS attached.

RECEIVED

JUN 25 2004

Per *ll*



Estimated Volume 1 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE *Landrea R. Cupps* TITLE: Landfarm Manager DATE: June 10, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY *Derry Foutz*

TITLE *Environ/Eng.*

DATE *6/22/04*

APPROVED BY *ll*

TITLE *ENVIRO. ENGR.*

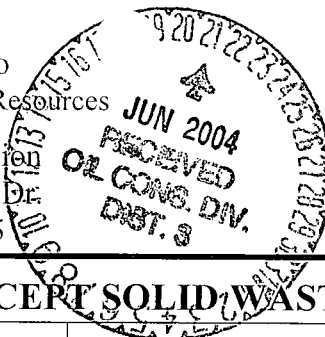
DATE *6/25/04*

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
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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  
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SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: June 10, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Foutz</u>	TITLE: <u>Enviro/Engvr</u>	DATE: <u>6/22/04</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

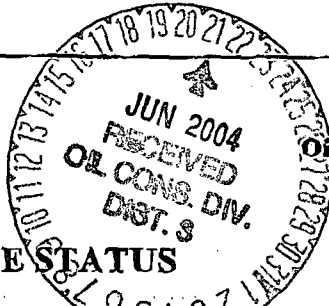


# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop  
Cabinet Secretary



**Lori Wrotenbery**  
Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <b>Foutz &amp; Bursum Construction</b> <b>3201 N 1st street Bloomfield, nm</b>	2. Destination Name <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>on the Arkansas loop Rd. on the Blamett by pass Range 7N T31N</b> <b>Section 6</b> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <b>on the Arkansas loop Rd. on the Blamett by pass Range 7N T31N</b>
4. Source and Description of Waste <b>Spilled 20 Gallons of Diesel fuel out of an aluminum tank on oil</b> <b>field road. There is a cubic yard of contaminated soil. The fuel</b> <b>tank fell off the truck spilling the fuel</b>	

**Kelly D. Graham**

Print Name

representative for :

**Foutz & Bursum 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):

**Kelly D. Graham**

Title:

**Purchasing Agent**

Phone Number:

**(505) 634-4068 4068**

Date: **6/2/04**



(MSDS: 041760)

Page 1 of 8



## 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:** 918-881-8327

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

California Poison Control System: (800) 356-3129

Call CHEMTREC

North America: (800) 424-9300

Others: (703) 527-3887 (collect)

**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: 3 (High)  
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% VOLUMEEXPOSURE GUIDELINE

Diesel Fuel No. 2

100

Limits

100 mg/m3

Agency

ACGIH

Type

TWA-SKIN

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FAX NO. 505 +4792

P. 02

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(MSDS: 041769)

CAS# 68476-34-6

Naphthalene  
CAS# 91-20-3

&lt;1

10 ppm  
15 ppm  
10 ppm  
250 ppmACGIH  
ACGIH  
OSHA  
NIOSHTWA  
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.

**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.

(MSDS: 041760)

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**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 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.

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P. 04

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(MSDS: 041760)

**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 FMCC, 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/m<sup>3</sup> 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

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FAX NO. 504 4792

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(MSDS: 041760)

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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 gun, 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.

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(MSDS: 041760)

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

<b>DOT Shipping Description:</b>	Diesel fuel, 3 or Combustible liquid*, UN1202**, III
<b>Non-Bulk Package Label:</b>	Flammable or None
<b>Bulk Package Placard/Marking:</b>	Flammable/1202
<b>Hazardous Substance/RQ</b>	None
<b>Packaging References</b>	49 CFR 173.150, 173.203, 173.241
<b>Emergency Response Guide:</b>	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.

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FAX NO. 50. +4792

P. 07

(MSDS: 041760)

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\*\*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: 01/01/03  
Previous Issue Date: 05/09/02  
Revised Sections: 1, 11, 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

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P. 08

(MSDS: 041760)

Page 8 of 8

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.

20



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: Compressor Systems Inc. 5. Originating Site: NEBU 447
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 36, T31N, R8W, San Juan County	Project #01038-019
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:

Turbo line on motor broke spilling Low Ash Gas Engine Oil onto the ground.

CWS, MSDS, and analytical attached.

RECEIVED

JUN 25 2004

Per: *Sh*

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

SIGNATURE *Landrea R. Cupps* TITLE: Landfarm Manager DATE: May 15, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: *Denny Zevy* TITLE: Enviro/Engl DATE: 6/21/04  
APPROVED BY: *Ed Martin* TITLE: ENVIRO. ENGR. DATE: 6/25/04

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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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	Generator: Compressor Systems Inc.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site: NEBU 447
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 36, T31N, R8W, San Juan County	Project #01038-019
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:

Turbo line on motor broke spilling Low Ash Gas Engine Oil onto the ground.

CWS, MSDS, and analytical attached.

Estimated Volume ~5 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: May 15, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Feat TITLE: Enviro/Eng DATE: 6/21/04  
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 Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): NEBU 447 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "K" Sec 36, T31N, R8W, San Juan County
4. Source and Description of Waste Turboline on motor broke spilling Low Ash Gas Engine oil onto the ground.	

I, Mitchell Davis representative for:  
Print Name

Compressor Systems Inc. do hereby certify that, according to the Resource  
Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above  
described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

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

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

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

☒ MSDS Information

☐ Other (description)

☒ RCRA Hazardous Waste Analysis

☒ Chain of Custody

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

Name (Original Signature): [Signature]

Title: Tech

Phone Number: (505) 632-5501

Date: May 15, 2004

Material Safety Data Sheet

Click on the product name to go to the Salesfax description sheet.

Click on the grade to go to the Salesfax typical test data sheet.

Chevron HDAX® Low Ash Gas Engine Oils SAE 15W-40, 30, 40

MSDS: 7046 Revision #: 1 Revision Date: 02/18/99

---

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

~~CHEVRON HDAX Low Ash Gas Engine Oil and HDAX LFG~~

PRODUCT NUMBER(S): CPS232325 CPS232327 CPS232328 CPS232331

SYNONYM: CHEVRON HDAX Low Ash Gas Engine Oil SAE 15W-40

CHEVRON HDAX Low Ash Gas Engine Oil SAE 30

CHEVRON HDAX Low Ash Gas Engine Oil SAE 40

CHEVRON HDAX LFG Gas Engine Oil SAE 40

COMPANY IDENTIFICATION

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

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or  
(510)231-0623 (International)  
TRANSPORTATION (24 hr): CHEMTREC  
(800)424-9300 or (703)527-3887  
Emergency Information Centers  
are located in U.S.A.  
Int'l collect calls accepted

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

---

2. COMPOSITION/INFORMATION ON INGREDIENTS

---

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

CONTAINING

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

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

ADDITIVES INCLUDING THE FOLLOWING  
< 25.00%

ZINC ALKARYL DITHIOPHOSPHATE

Chemical Name: ZINC ALKARYL DITHIOPHOSPHATE

CAS54261675

<

0%

NONE

N

#### 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/m<sup>3</sup>, the OSHA PEL is 5 mg/m<sup>3</sup>.

---

### 3. HAZARDS IDENTIFICATION

---

#### POTENTIAL HEALTH EFFECTS

##### EYE:

Not expected to cause prolonged or significant eye irritation.

##### SKIN:

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

##### INGESTION:

Not expected to be harmful if swallowed.

##### INHALATION:

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

---

### 4. FIRST AID MEASURES

---

##### EYE:

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

##### SKIN:

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

##### INGESTION:

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

##### INHALATION:

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

---

### 5. FIRE FIGHTING MEASURES

---

#### FIRE CLASSIFICATION:

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

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

#### PERSONAL PROTECTIVE EQUIPMENT

##### EYE/FACE PROTECTION:

No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

##### SKIN PROTECTION:

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

##### RESPIRATORY PROTECTION:

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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL DESCRIPTION:

Dark amber liquid.

pH: NDA

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: NDA

FREEZING POINT: NDA

MELTING POINT: NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.88 @ 15.6/15.6C

EVAPORATION RATE: NA

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

PERCENT VOLATILE  
(VOL): NA

---

## 10. STABILITY AND REACTIVITY

### HAZARDOUS DECOMPOSITION PRODUCTS:

H<sub>2</sub>S may be released at high temperatures.

### CHEMICAL STABILITY:

Stable.

### CONDITIONS TO AVOID:

No data available.

### INCOMPATIBILITY WITH OTHER MATERIALS:

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

### HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:**

The eye irritation hazard is based on an evaluation of the data for the components.

**SKIN EFFECTS:**

The skin irritation hazard is based on an evaluation of the data for the components.

**ACUTE ORAL EFFECTS:**

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

**ACUTE INHALATION EFFECTS:**

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

**ADDITIONAL TOXICOLOGY INFORMATION:**

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

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

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

---

## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY:**

No data available.

**ENVIRONMENTAL FATE:**

This material is not expected to be readily biodegradable.

---

## 13. DISPOSAL CONSIDERATIONS

---

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

---

## 14. TRANSPORT INFORMATION

---

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

SHIPPING NAME: NONE  
 DOT HAZARD CLASS: NONE  
 DOT IDENTIFICATION NUMBER: NONE  
 DOT PACKING GROUP: N/A  
 ADDITIONAL INFO: Petroleum Lubricating Oil - Not Hazardous by U.S. DOT.  
 ADR/RID Hazard class - Not applicable.

## 15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

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

### REGULATORY LISTS SEARCHED:

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

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

### ZINC ALKARYL DITHIOPHOSPHATE

is found on lists: 01,11,

### SEVERELY REFINED PETROLEUM DISTILLATE

is found on lists: 14,15,17,

### EU RISK AND SAFETY LABEL PHRASES:

May cause long-term adverse effects in the aquatic environment.

### NEW JERSEY RTK CLASSIFICATION:

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

#### PETROLEUM OIL

New Jersey Right-To-Know trade secret registry number 01154100-5031P

New Jersey Right-To-Know trade secret registry number 01154100-5063P

New Jersey Right-To-Know trade secret registry number 01154100-5024P

#### WHMIS CLASSIFICATION:

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

## 16. OTHER INFORMATION

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



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

REVISION STATEMENT:

This revision was updated to address: Section 1 (Name change).

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard  
(29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology  
and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804

\*\*\*\*\*

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

\*\*\*\*\*

THIS IS THE LAST PAGE OF THIS MSDS

\*\*\*\*\*

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Compressor Systems Inc.	Project #:	01038-019
Sample ID:	#1	Date Reported:	02-26-04
Lab ID#:	27926	Date Sampled:	02-24-04
Sample Matrix:	Soil	Date Received:	02-25-04
Preservative:	Cool	Date Analyzed:	02-26-04
Condition:	Cool and Intact	Chain of Custody:	11861

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

**IGNITABILITY:** Negative

**CORROSIVITY:** Negative pH = 7.06


**REACTIVITY:** Negative

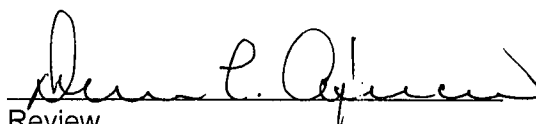
### RCRA Hazardous Waste Criteria

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: NEBU 447.

  
Analyst

  
Review

Client:	Compressor Systems Inc.	Project #:	01038-019
Sample ID:	#1	Date Reported:	02-26-04
Laboratory Number:	27926	Date Sampled:	02-24-04
Chain of Custody:	11861	Date Received:	02-25-04
Sample Matrix:	Soil	Date Analyzed:	02-26-04
Preservative:	Cool	Date Digested:	02-26-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.002	0.001	5.0
Barium	0.137	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.006	0.001	5.0
Lead	0.009	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

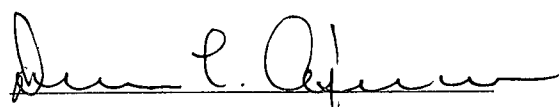
ND - Parameter not detected at the stated detection limit.


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

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

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

Comments: **NEBU 447.**

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-26-04 QA/AC	Date Reported:	02-26-04
Laboratory Number:	27926	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-26-04
Condition:	N/A	Date Digested:	02-26-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Barium	ND	ND	0.001	0.137	0.135	1.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.006	0.006	0.0%	0% - 30%
Lead	ND	ND	0.001	0.009	0.009	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

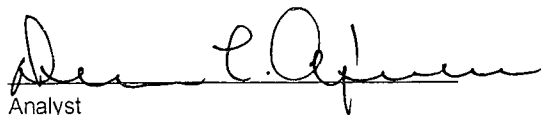
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.002	0.501	99.8%	80% - 120%
Barium	0.500	0.137	0.636	99.8%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.006	0.505	99.8%	80% - 120%
Lead	0.500	0.009	0.508	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.001	0.500	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

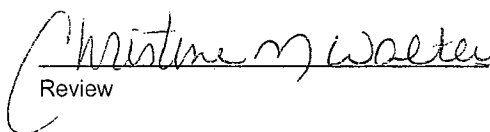
ND - Parameter not detected at the stated detection limit.

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 27926 - 27927.

  
Analyst

  
Review

11861

[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	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name):  attach list of originating sites as appropriate	
4. Source and Description of Waste	

I, \_\_\_\_\_ 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 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: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Date: \_\_\_\_\_

# RECEIVED

~~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 JUN 24 2004

Form C-138  
Revised March 17, 1999

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
**OIL CONSERVATION  
DIVISION**

Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: 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, Re-Affirmation Statement, and TCLP dated 7/23/03 attached.



RECEIVED

JUN 25 2004

Per *ll*

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

SIGNATURE *Landrea R. Cupps* TITLE: Landfarm Manager DATE: May 5, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: *Cupps* ~~Landrea Jackson~~ TELEPHONE NO: (505) 632-0615

*Annul*

(This space for State Use)		
APPROVED BY: <i>Denny Jant</i>	TITLE: <i>Enviro/Engin</i>	DATE: <i>6/21/04</i>
APPROVED BY: <i>ll Martin</i>	TITLE: <i>ENVIRO. ENGR.</i>	DATE: <i>6/25/04</i>

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: 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. <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:

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS, Re-Affirmation Statement, and TCLP dated 7/23/03 attached.

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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: May 5, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Teut</u>	TITLE: <u>Enviro / Engr</u>	DATE: <u>6/21/04</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

Annual /





# 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.	

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: May 5, 2004

# NVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

7/23/03

Printed Name

Dean Krause III

Title / Agency

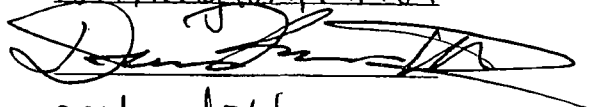
Halliburton

Address

4109 E. Main

Farmington, NM 87401

Signature



Date

05/05/04

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-23-03
Lab ID#:	26147	Date Sampled:	07-23-03
Sample Matrix:	Soil	Date Received:	07-23-03
Preservative:	Cool	Date Analyzed:	07-23-03
Condition:	Cool and Intact	Chain of Custody:	11169

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

**IGNITABILITY:** **Negative**

**CORROSIVITY:** **Negative** **pH = 6.78**

**REACTIVITY:** **Negative**

### RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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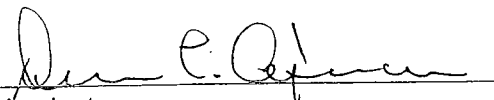
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
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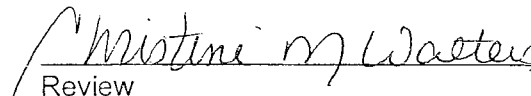
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

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: **Halliburton.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0182	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0073	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

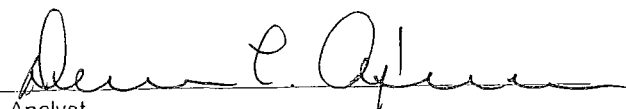
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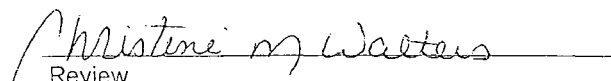
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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

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

Comments: Halliburton.

  
Analyst

  
Review



Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
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%

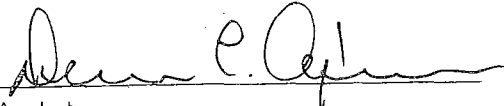
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

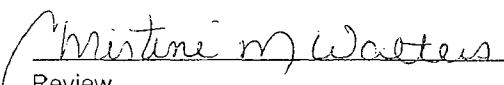
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: Halliburton.

  
Analyst

  
Review

# 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:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

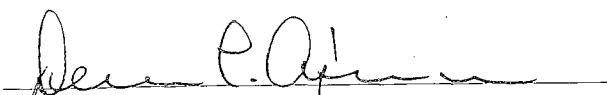
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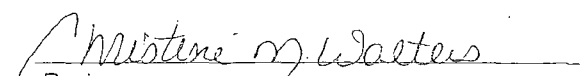
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 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: Halliburton.

  
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:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Analyzed:	07-25-03
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.008	0.001	5.0
Barium	0.964	0.001	100
Cadmium	0.002	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	0.003	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

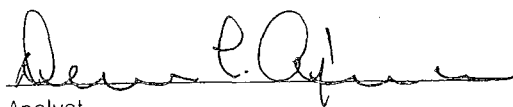
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

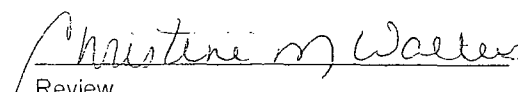
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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: Halliburton.

  
Analyst

  
Review



**QUALITY ASSURANCE / QUALITY CONTROL**

**DOCUMENTATION**



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
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.

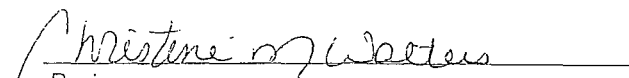
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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 26147.

  
Analyst

  
Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	07-23-03
		Analysis Requested:	TCLP

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

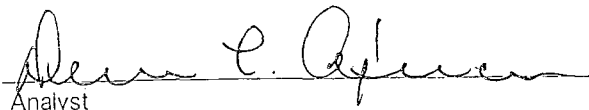
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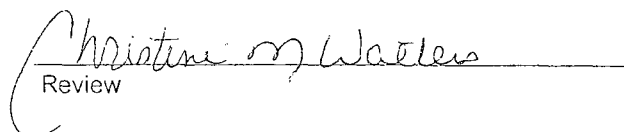
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review

Client: QA/QC  
Sample ID: Matrix Duplicate  
Laboratory Number: 26147  
Sample Matrix: TCLP Extract  
Analysis Requested: TCLP  
Condition: N/A


Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: 07-23-03

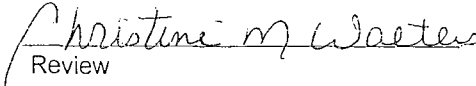
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0182	0.0181	0.0001	0.5%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0073	0.0073	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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

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

Client: QA/QC  
Sample ID: Matrix Spike  
Laboratory Number: 26147  
Sample Matrix: TCLP Extract  
Analysis Requested: TCLP  
Condition: N/A

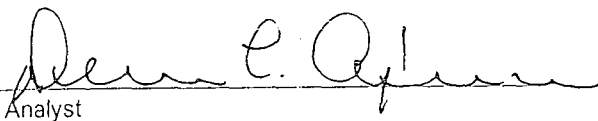
Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: 07-23-03

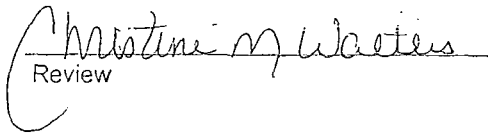
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99.0%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	98.8%	43-143
2-Butanone (MEK)	0.0182	0.050	0.0680	0.0001	99.7%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100.0%	49-133
Carbon Tetrachloride	ND	0.050	0.0495	0.0001	99.0%	43-143
Benzene	0.0073	0.050	0.0571	0.0001	99.7%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98.0%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99.0%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99.0%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99.0%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99.0%	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 26147.

  
Analyst

  
Review

EPA METHOD 8040  
PHENOLS  
Quality Assurance Report  
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Analysis Requested:	TCLP

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

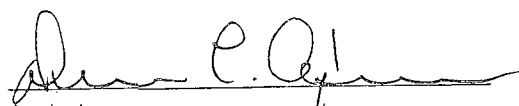
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

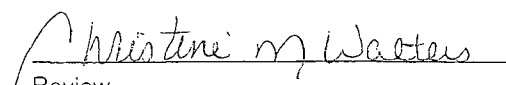
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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.

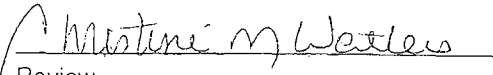
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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%

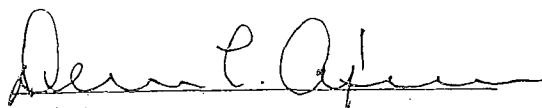
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

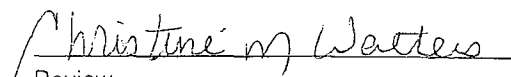
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	05-25-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-25-03
		Analysis Requested:	TCLP

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

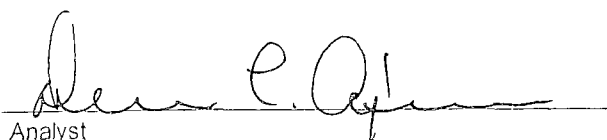
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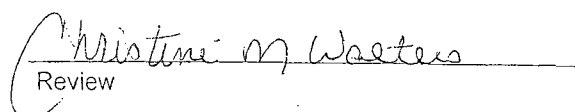
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review



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:	07-25-03
Laboratory Number:	07-23-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool and Intact	Date Analyzed:	07-25-03
		Analysis Requested:	TCLP

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

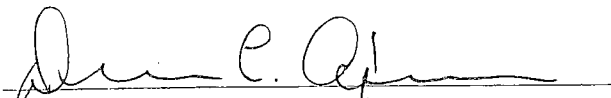
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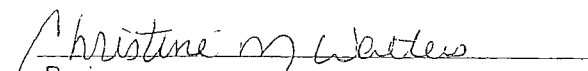
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	07-23-03
Condition:	N/A	Date Analyzed:	07-25-03
		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

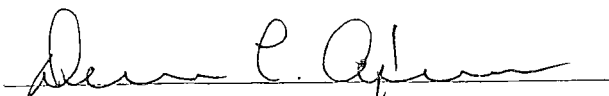
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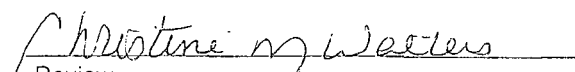
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 26147.

  
Analyst

  
Review

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

Client: N/A  
Sample ID: 07-25-TCM QA/QC  
Laboratory Number: 26147  
Sample Matrix: Water  
Analysis Requested: TCLP Metals  
Condition: N/A

Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.008	0.008	0.0%	0% - 30%
Barium	ND	ND	0.001	0.964	0.961	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.003	0.003	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	0.008	0.507	99.8%	80% - 120%
Barium	0.500	0.964	1.46	99.7%	80% - 120%
Cadmium	0.500	0.002	0.502	100.0%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.003	0.502	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

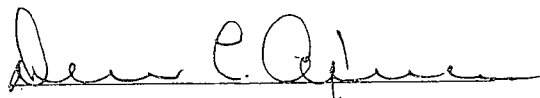
ND - Parameter not detected at the stated detection limit.

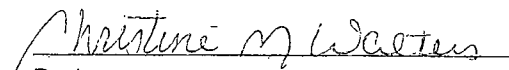
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

11169

Client / Project Name <i>Halliburton</i>			Project Location <i>92132-001</i>		ANALYSIS / PARAMETERS							
Sampler: <i>Morgan Killion</i>			Client No. <i>Halliburton</i>		No. of Containers <i>1</i>	<i>ATCLP</i>						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Halliburton 2003 WASH BAY Sludge</i>	<i>7-23-03</i>	<i>11:55</i>	<i>26147</i>	<i>soil</i>								
Relinquished by: (Signature) <i>Morgan Killion</i>			Date <i>7-23-03</i>	Time <i>13:00</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>7-23-03</i>	Time <i>13:00</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

**ENVIROTECH INC.**  


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

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 type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: CDX Gas Dart Drilling Technology (CDDT)
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Prairie Dawn #2
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "N" Sec 33, T24N, R12W, 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:

Fresh water tank was contaminated with small quantity of crude oil by trucking company. Tank is being cleaned out in order to re-fill with fresh water.

CWS attached.

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: May 3, 2004

TYPE OR PRINT NAME: Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use)

Denny E. Frost  
DEPUTY OIL & GAS INSPECTOR

APPROVED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: 5/6/04

APPROVED BY: [Signature]

TITLE: geologist

DATE: 5-6-4

04074-001



# 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 CDDT 5485 Beltline Road, Suite 330 Dallas, Texas 75254-7672	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Prairie Dawn #2 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "N" Sec 33, T24N, R12W, San Juan County
4. Source and Description of Waste Fresh water tank was contaminated with small quantity of crude oil by trucking company. Tank is being cleaned out in order to re-fill with fresh water.	

I, Charlie McClain representative for :  
Print Name

CDDT/CDX Gas 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): Charlie McClain

Title: Field Superintendent

Phone Number: (505) 330-8206

Date: May 3, 2004

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 type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips 5. Originating Site: Scott #1E 6. Transporter: Scat 8. State: New Mexico Project #96052-097
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) "P" Sec 2, T29N, R13W, 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:

Tank bottoms and fresh wash water from cleaning out a pit tank in order to replace it with a steel pit tank.

CWS attached.



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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: April 30, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Deanna E. Faust</u> DEPUTY OIL & GAS INSPECTOR	TITLE: <u>                                </u>	DATE: <u>5/6/04</u>
APPROVED BY: <u>                                </u>	TITLE: <u>geologist</u>	DATE: <u>5-6-4</u>



NEW MEXICO ENERGY, MINERALS and  
NATURAL RESOURCES DEPARTMENT

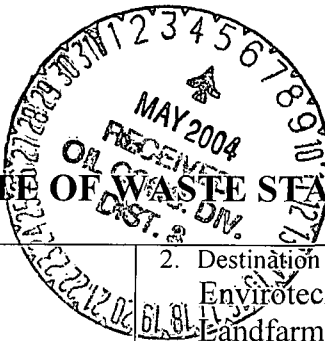
96052-097

**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): Scott #1E  API # 30-045-25085 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit P, Section 2, T29N, R13W 1100' FSL & 900' FEL San Juan County, New Mexico
4. Source and Description of Waste 20 BBL tank bottoms and tank wash from cleaning out a pit tank in order to replace it with a steel pit tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: April 30, 2004



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 checked="" type="checkbox"/> Non-Exempt: <input 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: Omler A #15
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) "F" Sec 26, T28N, R10W, 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:

Stained soil from production pit cleanout.

CWS attached.



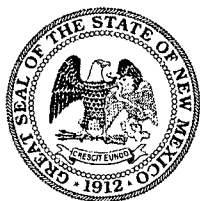
Estimated Volume 58 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 27, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Dennis R. Frost</u> DEPUTY OIL & GAS INSPECTOR	TITLE: _____	DATE: <u>5/6/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>5-6-4</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

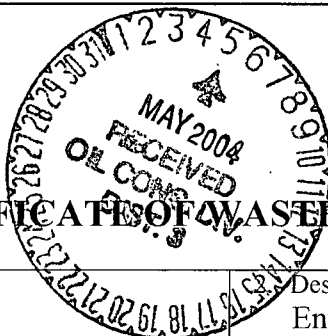
Joanna Prukop  
Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS



1. Generator Name and Address ConocoPhillips Company 5525 Hwy. 64 Farmington, NM 87401	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Omler A #15  API # 30-045-25301 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit F, Section 26, T28N, R10W 1675' FNL & 1830' FWL San Juan County, New Mexico
4. Source and Description of Waste 58 cubic yards stained soil from production pit clean out	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

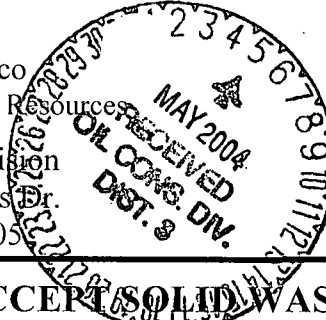
Date: April 27, 2004

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: Campbell Federal #5
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) "A" Sec 27, T27N, R12W, San Juan County	Project #96052-096
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:

Stained soil from production pit cleanout.

CWS attached.

Estimated Volume ~160 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

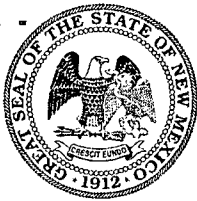
SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 28, 2004

TYPE OR PRINT NAME: Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use) <u>Denny L. Foust</u> DEPUTY OIL & GAS INSPECTOR		
APPROVED BY: <u>[Signature]</u>	TITLE: _____	DATE: <u>5/6/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>5-6-04</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 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): Campbell Federal #5  API # 30-045-06307 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit A, Section 27, T27N, R12W 790' FNL & 790' FEL San Juan County, New Mexico
4. Source and Description of Waste 160 cubic yards stained soil from pit clean out	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: April 29, 2004

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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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: SJ 28-7 #266
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) "M" Sec 9, T28N, R7W, Rio Arriba County	Project #96052-094
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:

Paraffin, tank bottoms, and fresh wash water from cleaning out a 100bbl oil tank in order to move it off a P&A facility.

CWS attached.



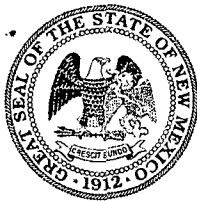
Estimated Volume ~25bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 21, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny E. Faust</u> DEPUTY OIL & GAS INSPECTOR	TITLE: _____	DATE: <u>5/6/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>5-6-04</u>



96052-094

# 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): San Juan 28-7 Unit #266  API # 30-039-23329 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit M, Section 9, T28N, R7W 1025' FSL & 1070' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste 25 BBL paraffin, tank bottoms, and tank wash from cleaning out a 100 BBL oil tank in order to move it off a P&A facility.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: April 21, 2004

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: XTO  5. Originating Site: Schwerdtfeger #2
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) "L" Sec 8, T27N, R11W, San Juan County	Project #98031-012
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:

Condensate and produced water being cleaned out of an earthen separator pit.

CWS signed by Nelson Velez of Blagg Engineering – verified by Steve Jaquez of XTO 4/14/04 attached.

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: April 14, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny S. Foust</u>	TITLE: <u>DEPUTY OIL &amp; GAS INSPECTOR</u>	DATE: <u>5/6/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>5-6-4</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 <u>XTO ENERGY INC.</u> <u>2700 Farmington Ave, Bldg K, Ste 1</u> <u>Farmington, NM 87401</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>Schwerdtfeger #2</u> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <u>"L" Sec 28, T27N, R11W, S1C</u>
4. Source and Description of Waste <u>EARTHEN</u> <u>SEPARATOR PIT - CONDENSATE / PRODUCED WATER</u>	

I, NELSON VELEZ representative for :  
Print Name

BLAGE ENGINEERING 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) EX

☒ EXEMPT oilfield waste

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

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

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

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

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

Name (Original Signature): [Signature]  
Title: AGENT - STAFF GEOLOGIST verified by Steve Jaquez (XTO Foreman)  
Phone Number: 505-632-1199  
Date: 4/14/04



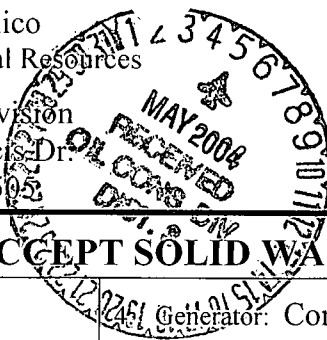
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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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Revised March 17, 1999

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District Office



REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: Conoco Phillips
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Hardie #5
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "O" Sec 23, T28N, R8W, San Juan County	8. State: New Mexico
Project #96052-093	
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:

Tank bottoms and fresh wash water from cleaning out a 210bbl oil tank in order to swap it out for a newer tank.

CWS attached.

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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: April 13, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use) **DEPUTY OIL & GAS INSPECTOR**

APPROVED BY: [Signature] TITLE: geologist DATE: 5/6/04  
APPROVED BY: [Signature] TITLE: geologist DATE: 5-6-4

96052-093

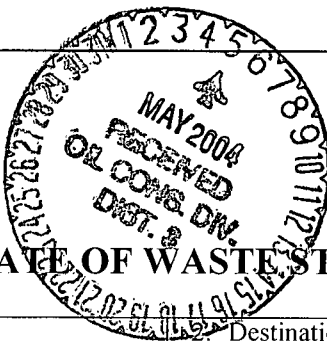


# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**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	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Hardie #5  API # 30-045-20257 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit O, Section 23, T28N, R8W 1020' FSL & 1850' FEL San Juan County, New Mexico
4. Source and Description of Waste 15 BBL tank bottoms and tank wash from cleaning out a 210 BBL oil tank in order to swap it out for a newer tank.	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician

Phone Number: 505-599-3458

Date: April 13, 2004

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

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Revised March 17, 1999

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>		4a. Generator: Compressor Systems Inc.	
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		5. Originating Site: NEBU 459 (Pump Mesa)	
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) 2505' FNL, 1810' FSL, Sec 19, T31N, R7W, SJC		Project #01038-014-002	
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 contaminated with used screw compressor oil generated when an oil line broke. Material has been in contact with production stream.

CWS attached.

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

SIGNATURE

*Landrea R. Cupps*  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 12, 2004

TYPE OR PRINT NAME: Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Use)			
APPROVED BY:	<i>Denny E. Foust</i> DEPUTY OIL & GAS INSPECTOR	TITLE:	DATE: 5/6/04
APPROVED BY:	<i>R. Kyle</i>	TITLE: geologist	DATE: 5-6-4

01038-014-002



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

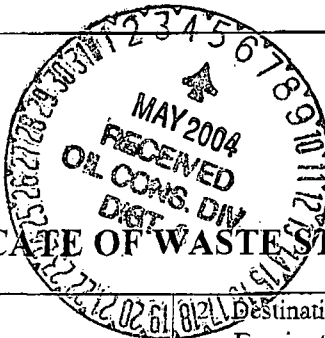
Governor

Joanna Prukop  
Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Compressor Systems Inc. P.O. Box 1886 Bloomfield, New Mexico 87413	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): NEBU 459 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 2505 FNL, 1810 FSL NW Sec 19, T31N, R7W, SAN JUAN County
4. Source and Description of Waste  Soil contaminated with screw compressor oil generated when an oil line broke. Material has been in contact with the production stream.	

I, Mitchell Davis representative for :  
Print Name

Compressor Systems Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

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

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

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

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

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

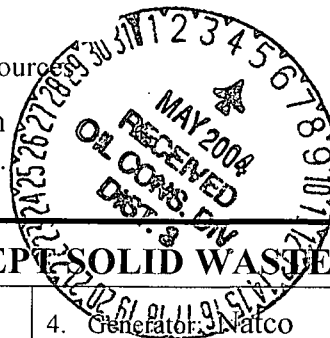
Name (Original Signature): [Signature]Title: S.S.T. Senior Service TechPhone Number: (505) 632-5501 x. 141Date: April/2, 2004

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 type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Natco
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Old Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) 2855 Southside River Road, Farmington	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:

Contaminated dirt and sludge from various locations generated during the cleaning of oil and gas production equipment at Natco's yard.

Location list, CWS, and NORMS attached.

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

SIGNATURE

*Landrea R. Cupps*  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 13, 2004

TYPE OR PRINT NAME:

Landrea Cupps

TELEPHONE NO: (505) 632-0615

(This space for State Approval)	
APPROVED BY: <i>Kenney S. Faust</i> DEPUTY OIL & GAS INSPECTOR	TITLE: _____ DATE: <u>5/6/04</u>
APPROVED BY: <i>K. Faust</i>	TITLE: <u>geologist</u> DATE: <u>5-6-4</u>



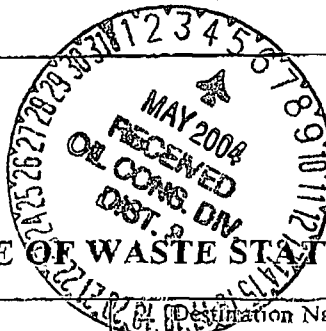
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop  
Cabinet Secretary

Lori Wrotenbery  
Director  
Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Natco 2855 Southside River Rd Farmington, NM 87401		Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Solid generated during the cleaning of oil and gas production equipment at Natco's yard. <u>attach list of originating sites as appropriate</u>		Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Contaminated dirt and sludge from various locations see attached list.		

Jeffrey J. Martinez  
Print Name

representative for :

National Tank Co. Farmington, NM 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)

XXX 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):

Jeffrey J. Martinez

Title:

Asst. Safety

Date:

4/13/04

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>

2 BBL

# 1



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco's Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (UK)

Background reading: 13.5 uR/hr

Highest NORM reading: 10.0 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 0

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low + Safe.

Inspector: Jesse B. Manzaneros

What is final disposition? Norm levels are OK + product can be disposed.

Released to: Whom it may concern Date: 3/10/04



# 2



INSPECTION FOR NORM CONTAMINATION

Location: Natco's Yard (Wash back) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Back (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 10.0 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tapped drum on two sides opposite of each other. Tested them on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse S. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

#3



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco's Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.0 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Mazzucco

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

# 4



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Nuclear Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Mannan

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

#5



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco's Yard (Wash back) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Back (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.0 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested them on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Mannan

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

#6



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Nature's Food (Wash back) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Back (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.0 uR/hr (corrected for background)

Any samples taken? If so, how many? 3

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse B. Manzares

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

# 7

**NATCO**

INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Nature's Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 10.0 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

# 8



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Nature's Yard (Black Rock) Date: 5-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Alaska Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 0

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested that on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed.

Released to: Whom it may concern Date: 3/10/04

# 9



INSPECTION FOR NORM CONTAMINATION

Location: Nature's Yard (Wash back) Date: 3-10-04

Survey instrument model: Ludlum 3-28 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Back (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 8.5 uR/hr (corrected for background)

Lowest NORM reading: 6.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 1

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04



# 10

**NATCO**

**INSPECTION FOR N.O.R.M. CONTAMINATION**

Location: Natco's yard (Black Rock) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Black Rock (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & Safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

# 11



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco's Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-78 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.5 uR/hr (corrected for background)

Lowest NORM reading: 7.0 uR/hr (corrected for background)

Any samples taken? If so, how many? 2

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

# 12



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco's Yard (Wash Rack) Date: 3-10-04

Survey instrument model: Ludlum 3-98 Last calibrated: 11-3-03

Item description: 1-55 gal drum

Number of pieces: 1

Location where items originated: Production Equipment on Wash Rack (U.K.)

Background reading: 13.5 uR/hr

Highest NORM reading: 9.0 uR/hr (corrected for background)

Lowest NORM reading: 6.5 uR/hr (corrected for background)

Any samples taken? If so, how many? 1

1 Pieces inspected.

1 Pieces found to be free of NORM contamination.

0 Pieces found to have NORM contamination.

Remarks: Tested drum on two sides opposite of each other. Tested drum on the bottom, middle & top. Norm levels are low & Safe.

Inspector: Jesse D. Manzaneros

What is final disposition? Norm levels are ok & product can be disposed

Released to: Whom it may concern Date: 3/10/04

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 type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: Baker Oil Tools
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Sandstone Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Envirotech
7. Location of Material (Street Address or ULSTR) 785 Sandstone Avenue, Farmington	8. State: New Mexico
Project #01039-006-002	
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved All transporters must certify the wastes delivered are only those consigned for transport.	

### BRIEF DESCRIPTION OF MATERIAL:

Sludge generated from power washing down-hole tools.

CWS attached.

Estimated Volume 2bbl cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Cupps  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: April 8, 2004

TYPE OR PRINT NAME: Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny E. Foust  
DEPUTY OIL & GAS INSPECTOR

TITLE: \_\_\_\_\_

DATE: 5/6/04

APPROVED BY: [Signature]

TITLE: geologist

DATE: 5-6-4



# 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 <b>BAKER OIL TOOLS</b> <b>785 SANDSTONE AVE</b> <b>FARMINGTON NM 87401</b>	2. Destination Name: <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>BAKER OIL TOOLS</b> <b>785 SANDSTONE AVE</b> <b>FARMINGTON NM 87401</b> <small>attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): <b>SAME</b>
4. Source and Description of Waste <b>Sludge removed from sump in wash area. The sludge is generated steam cleaning downhole tools</b>	

I, **Doug Bowers** representative for :  
Print Name

**BAKER OIL TOOLS** 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): **Doug Bowers**

Title: **Operations Manager**

Phone Number: **505-327-3266**

Date: **4/8/04**

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 type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: Elm Ridge Resources  5. Originating Site: South Bisti 30-L #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) "L" Sec 30, T26N, R13W, San Juan County	Project #03056-006
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:

Produced water tank bottoms and fresh wash water being cleaned out for proper operations.

CWS attached.

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

SIGNATURE Landrea R. Cupps TITLE: Landfarm Manager DATE: March 29, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME Landrea Cupps TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Dennis E. Frost</u>	TITLE: <u>DEPUTY OIL &amp; GAS INSPECTOR</u>	DATE: <u>5/6/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>5-6-4</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 Elm Ridge Resources P.O. Box 189 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): South Bisti 30-L #1 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "L" Sec 30, T26N, R13W, San Juan County
4. Source and Description of Waste Produced water tank bottoms being cleaned out for proper operations.	

I, Mack Humphrey representative for :  
Print Name

Elm Ridge Resources 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): Mack Humphrey

Title: Foreman

Phone Number: (505) 330-9401

Date: March 29, 2004

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: 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, Re-Affirmation Statement, and TCLP dated 7/23/03 attached.



Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 25, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Approval)		
APPROVED BY: <u>Denise S. Foster</u>	TITLE: <u>DEPUTY OIL &amp; GAS INSPECTOR</u>	DATE: <u>5/6/04</u>
APPROVED BY: <u>Marty J. Hyslop</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>5/13/04</u>



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

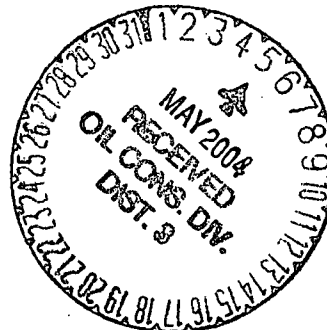
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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: Halliburton Energy Services  5. Originating Site: Wash Bay
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Envirotech
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### BRIEF DESCRIPTION OF MATERIAL:

Wash bay grit from 2 bays that have been dried in a drying bed.

CWS, Re-Affirmation Statement, and TCLP dated 7/23/03 attached.



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

SIGNATURE Landrea R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: March 25, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State use)		
APPROVED BY: <u>George S. Frost</u> DEPUTY OIL & GAS INSPECTOR	TITLE: _____	DATE: _____
APPROVED BY: _____	TITLE: _____	DATE: _____

360



# 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: March 25, 2004



**REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE**

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

7/23/03

Printed Name

Dean Krause III

Title / Agency

Halliburton

Address

4109 E. Main  
Farmington, NM

Signature

[Handwritten Signature]

Date

03/25/04

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-23-03
Lab ID#:	26147	Date Sampled:	07-23-03
Sample Matrix:	Soil	Date Received:	07-23-03
Preservative:	Cool	Date Analyzed:	07-23-03
Condition:	Cool and Intact	Chain of Custody:	11169

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.78

REACTIVITY: Negative

### RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

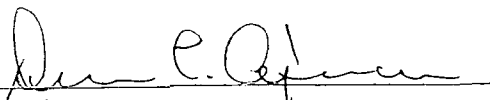
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
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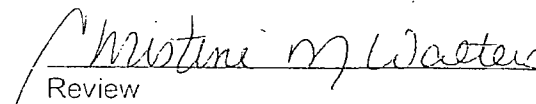
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

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: Halliburton

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions For The Environmental Professional

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

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0182	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0073	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

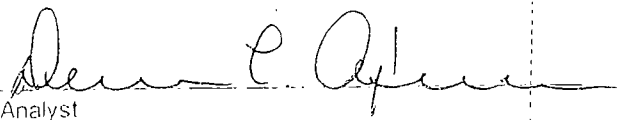
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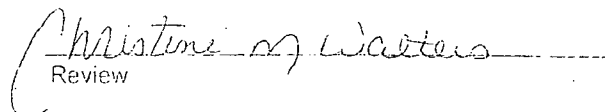
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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

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

Comments: Halliburton.

  
Analyst

  
Review

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
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%

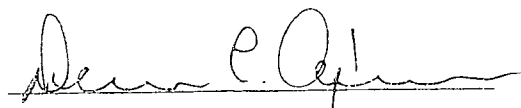
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

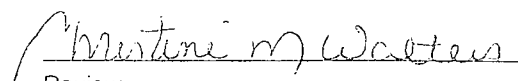
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: Halliburton.

  
Analyst

  
Review

# 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:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Extracted:	07-23-03
Preservative:	Cool	Date Analyzed:	07-25-03
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

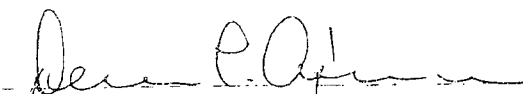
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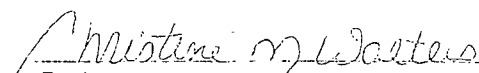
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 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: Halliburton.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Cleaner Environment

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

Client:	Halliburton	Project #:	92132-001
Sample ID:	2003 Wash Bay Sludge	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	07-23-03
Chain of Custody:	11169	Date Received:	07-23-03
Sample Matrix:	TCLP Extract	Date Analyzed:	07-25-03
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.008	0.001	5.0
Barium	0.964	0.001	100
Cadmium	0.002	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	0.003	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

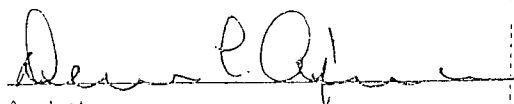
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

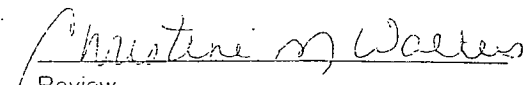
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

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

Note: Regulatory Limits based on 10 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Halliburton.

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR WATER PROTECTION

## QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

# ENVIROTECH LABS

Practical Solutions for a Better Environment

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCV 1	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
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.

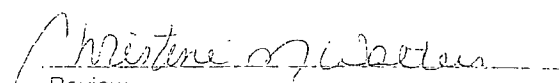
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	100%
	1,4-difluorobenzene	100%
	4-bromochlorobenzene	100%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	07-23-03
		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.

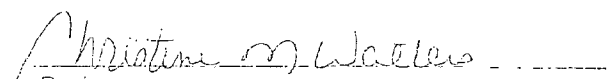
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Fluorobenzene	99%
	1,4-difluorobenzene	98%
	4-bromochlorobenzene	98%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for Environmental Problems

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

Client: QA/QC  
Sample ID: Matrix Duplicate  
Laboratory Number: 26147  
Sample Matrix: TCLP Extract  
Analysis Requested: TCLP  
Condition: N/A

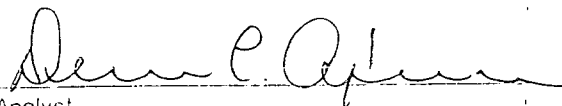
Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: 07-23-03

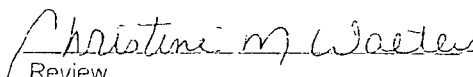
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0182	0.0181	0.0001	0.5%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0073	0.0073	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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

ENVIRONMENTAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: QA/QC  
Sample ID: Matrix Spike  
Laboratory Number: 26147  
Sample Matrix: TCLP Extract  
Analysis Requested: TCLP  
Condition: N/A

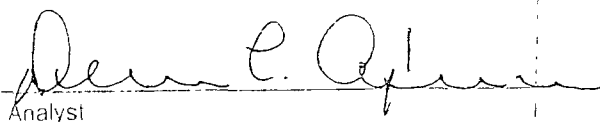
Project #: N/A  
Date Reported: 07-25-03  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 07-25-03  
Date Extracted: 07-23-03

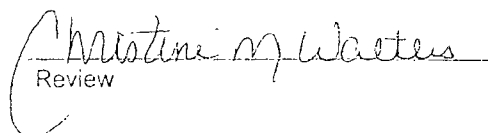
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99.0%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	98.8%	43-143
2-Butanone (MEK)	0.0182	0.050	0.0680	0.0001	99.7%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100.0%	49-133
Carbon Tetrachloride	ND	0.050	0.0495	0.0001	99.0%	43-143
Benzene	0.0073	0.050	0.0571	0.0001	99.7%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98.0%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99.0%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99.0%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99.0%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99.0%	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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for Environmental Monitoring

## EPA METHOD 8040 PHENOLS Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-03
Laboratory Number:	07-25-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-25-03
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

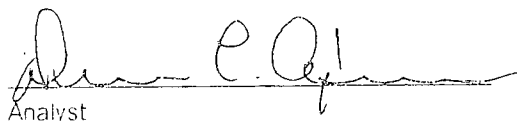
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

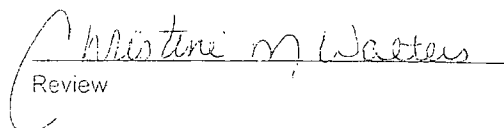
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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%

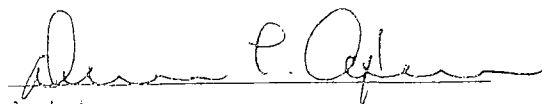
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

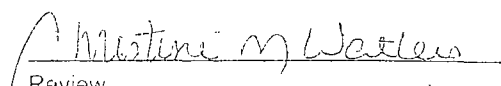
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool & Intact	Date Analyzed:	07-25-03
		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%

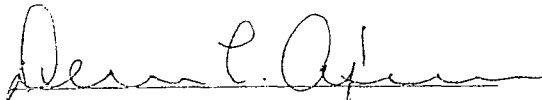
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

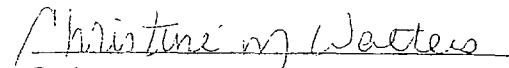
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 26147.

  
Analyst

  
Review



# ENVIROTECH LABS

ANALYTICAL SOLUTIONS FOR A BETTER ENVIRONMENT

## 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:	07-25-03
Laboratory Number:	05-25-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-25-03
		Analysis Requested:	TCLP

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

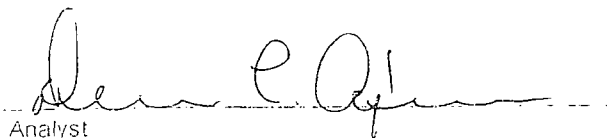
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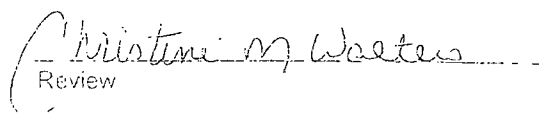
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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

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

Comments: QA/QC for sample 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-25-03
Laboratory Number:	07-23-TBN	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-03
Condition:	Cool and Intact	Date Analyzed:	07-25-03
		Analysis Requested:	TCLP

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

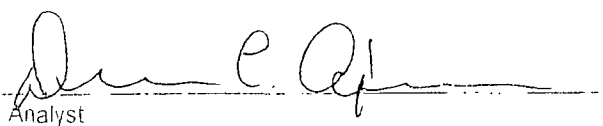
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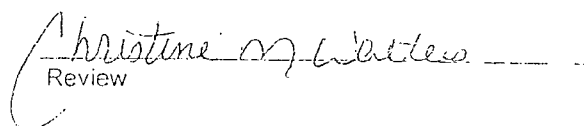
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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 20147.

  
Analyst

  
Review

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	07-23-03
Condition:	N/A	Date Analyzed:	07-25-03
		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

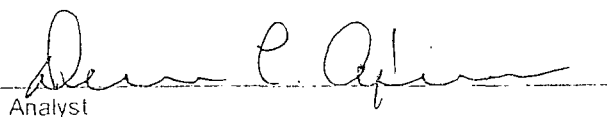
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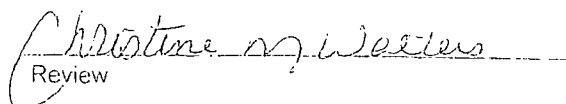
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 26147.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	N/A	Project #:	N/A
Sample ID:	07-25-TCM QA/QC	Date Reported:	07-25-03
Laboratory Number:	26147	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	07-25-03
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	0.008	0.008	0.0%	0% - 30%
Barium	ND	ND	0.001	0.964	0.961	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.003	0.003	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	0.008	0.507	99.8%	80% - 120%
Barium	0.500	0.964	1.46	99.7%	80% - 120%
Cadmium	0.500	0.002	0.502	100.0%	80% - 120%
Chromium	0.500	0.001	0.500	99.8%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.003	0.502	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

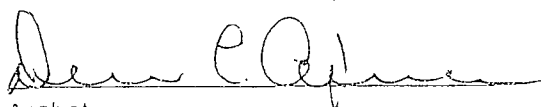
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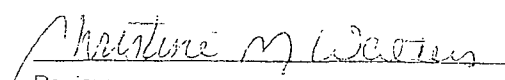
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

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 sample 26147.

  
Analyst

  
Review

## 11169

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

Sample Receipt			
	Y	N	N/A
Received Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cool - Ice/Bl	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

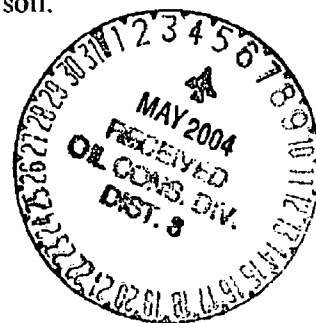
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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: Universal Compression
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32-9 #285
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Universal
7. Location of Material (Street Address or ULSTR) "N" Sec 13, T32N, R10W, 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:

New Coastal High Speed Pegasus 490 oil leaked from day tank contaminating 1 bbl of soil.

CWS & MSDS attached



Estimated Volume 1 bbl/cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 8, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny E. Frost</u>	TITLE: <u>DEPUTY OIL &amp; GAS INSPECTOR</u>	DATE: <u>5/6/04</u>
APPROVED BY: <u>Marty J. Kelly</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>5/13/04</u>

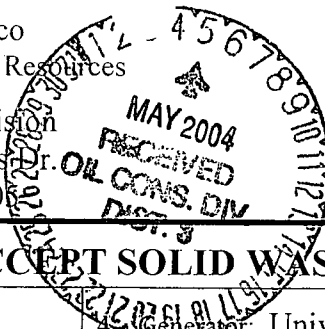
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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: Universal Compression
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: San Juan 32-9 #285
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Universal
7. Location of Material (Street Address or ULSTR) "N" Sec 13, T32N, R10W, 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:**

New Coastal High Speed Pegasus 490 oil leaked from day tank contaminating 1bbl of soil.

CWS & MSDS attached

Estimated Volume 1bbl cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: March 8, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

Denny L. Foust  
DEPUTY OIL & GAS INSPECTOR

APPROVED BY: _____	TITLE: _____	DATE: <u>5/6/04</u>
APPROVED BY: _____	TITLE: _____	DATE: _____



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

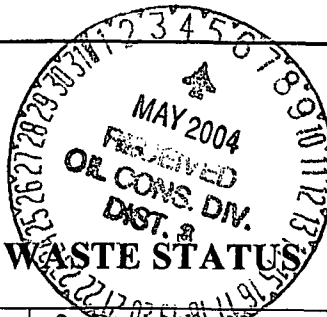
**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>Universal Compression</i> <i>32-9 #285</i> <i>3440 Macmillan Dr. 871401</i>	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <i>Saw Juan 32-9 #285</i> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <i>"n" Sec 13, T32N, R10W</i> <i>SLC 318104</i>
4. Source and Description of Waste <i>New coastal high speed Pegasus 490 leaked from</i> <i>Day tank.</i> <i>55 gallon drum of Dirty Oil</i>	

I, *Josh Jones* representative for :  
Print Name

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

☒ EXEMPT oilfield waste

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

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

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

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

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

Name (Original Signature): *[Signature]* OK per Rick Mapes 3/18/04 lly

Title: *field service tech*

Phone Number: *(505) 486-5352*

Date: *2-25-04*



605881-00 MOBIL PEGASUS 490  
MATERIAL SAFETY DATA BULLETIN

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: MOBIL PEGASUS 490

SUPPLIER: EXXONMOBIL OIL CORPORATION

3225 GALLOWS RD.

FAIRFAX, VA 22037

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

24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300

(Secondary) 281-834-3296

Product and Technical Information: 800-662-4525 703-846-6693

MSDS Fax on Demand: 613-228-1467, other MSDS information: 856-224-4644

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

See Section 8 for exposure limits (if applicable).

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## 3. HAZARDS IDENTIFICATION

---

Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15).

EMERGENCY OVERVIEW: 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.

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## 4. FIRST AID MEASURES

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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): > 218(425) (ASTM D-92).

Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0%

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

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## 6. ACCIDENTAL RELEASE MEASURES

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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

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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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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OCCUPATIONAL EXPOSURE LIMITS:

When mists/aerosols can occur, the following are recommended: 5 mg/m<sup>3</sup> (as oil mist)- ACGIH Threshold Limit Value (TLV), 10 mg/m<sup>3</sup> (as oil mist)

ACGIH Short Term Exposure Limit (STEL), 5 mg/m<sup>3</sup> (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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Typical physical properties are given below. Consult Product Data Sheet  
for specific details.

APPEARANCE: Liquid

COLOR: Amber

ODOR: Mild

ODOR THRESHOLD-ppm: NE

pH: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 218(425) (ASTM D-92)

FLAMMABILITY (solids): NE

AUTO FLAMMABILITY: NA

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.885

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 132.0

VISCOSITY AT 100 C, cSt: 13.3

POUR POINT C(F): < -15(5)

FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: NE

DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

---

## 10. STABILITY AND REACTIVITY

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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.

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## 11. TOXICOLOGICAL DATA

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### ---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

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### ENVIRONMENTAL FATE AND EFFECTS:

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

---

## 13. DISPOSAL CONSIDERATIONS

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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.

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#### 14. TRANSPORT INFORMATION

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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

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#### 15. REGULATORY INFORMATION

---

US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (<0.03%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI	68649-42-3	22
C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (0.24%)		

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

## 16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

### INDUSTRIAL LABEL

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.

\*\*\*\*\*

For Internal Use Only: MHC: 1\* 1\* 1\* 1\* 1\*, MPPEC: A, TRN: 605881-00, CMCS97: 970910, REQ: US - MARKETING, SAFE USE: L

EHS Approval Date: 06DEC2001

\*\*\*\*\*

\*\*\*\*\*

Legally required information is given in accordance with applicable Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL



WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or re-transmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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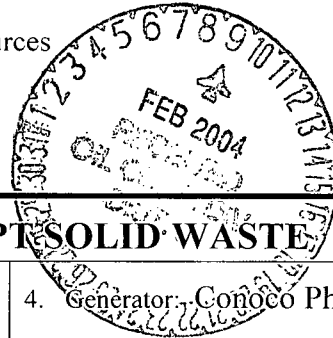
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District I\*  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 #46
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) "H" Sec 16, T28N, R7W, Rio Arriba County	Project #96052-080
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:**

Tank bottoms and fresh wash water from cleaning out produced water tank in order to inspect tank.

CWS attached.

Estimated Volume <40bblscy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: February 6, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Feunt</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>2/9/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>g-a-l-a-x-i-t</u>	DATE: <u>2-9-4</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

96052-080

**BILL RICHARDSON**

Governor

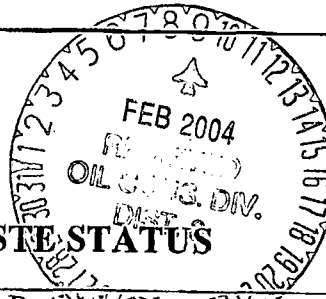
**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

Oil Conservation Division



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>ConocoPhillips 5525 Hwy 64 Farmington NM 87401</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>San Juan 28-7 #46-</i> attach list of originating sites as appropriate <i>H-See 16-T28N, R7W</i>	
4. Source and Description of Waste <i>Junk Bottoms &lt; 40 bbls. Production tank being cleaned out for inspection. dry 2/6/04 exact amount not yet known - maybe after hours before know.</i>	

I, *Patsy Clugston* representative for: *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): *Patsy Clugston*  
Title: *Regulatory Analyst*  
Phone Number: *599-03454*  
Date: *2-6-04*

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 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: San Juan 31-6 #217A
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "C" Sec 35, T31N, R6W, 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:**

Tank bottoms and fresh wash water from cleaning out produced water tank in order to inspect tank.

CWS attached.

Estimated Volume ~10bblscy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 6, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Dennis Faust</u>	TITLE: <u>Enviro Engr</u>	DATE: <u>2/09/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>2-9-4</u>

96052-079

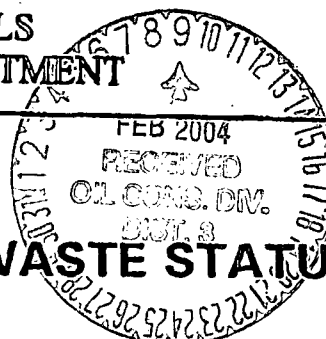


# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
GOVERNOR

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

JENNIFER A. SALISBURY  
CABINET SECRETARY



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>ConocoPhillips 5525 Hwy 64 Farmington NM 87401</i>	2. Destination Name: <i>Envirotech Landfarm # 2 Hilltop NM 632-0615</i>
3. Originating Site (name): <i>San Juan 31-6 #217A C-35-31N-6W</i>	Location of the Waste (Street address &/or ULSTR): <i>Rio Arriba Co.</i>
4. Source and Description of Waste <i>Tank Bottoms ~ 10 bbls Production tanks being cleaned out for inspection. 2/6/04</i>	

I, *Patsy Clugston* representative for:  
*ConocoPhillips Co* (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): *Patsy Clugston*  
Title: *Regulatory Analyst*  
Date: *2-6-04*

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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Revised March 17, 1999

Submit Original  
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District Office



## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Generator: El Paso Field Services  5. Originating Site: Lateral C-7 Drip Tank
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) SW/4, Sec 12, T27N, R9W, San Juan County	Project #97057-091
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:

Produced water and condensate contaminated soil generated at a small corrosion leak in the condensate tank.

CWS Attached

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 4, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY:

Denny Zent

TITLE:

Enviro/Eng

DATE:

2/09/04

APPROVED BY:

[Signature]

TITLE:

9 collogist

DATE:

2-9-4



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT



97057-091

**BILL RICHARDSON**  
Governor  
**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Lateral C-7 Drip Tank	Location of Waste (Street address &/or ULSTR) SW/4, Sec 12, T27N, R9W, San Juan Co., NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with produced water and condensate from a small corrosion leak in the condensate tank.	

I, David Bays representative for:  
Print Name

El Paso Field Services Co. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is:  
(Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **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: Principal Environmental Scientist

Date: February 4, 2004

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: ☒ Non-Exempt: ☐

Verbal Approval Received: Yes ☐ No ☒

Generator: Conoco Phillips

5. Originating Site: San Juan 29-6 Unit #218

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) "L" Sec 5, T29N, R6W, Rio Arriba County

Project #96052-078

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:

Tank bottoms and fresh wash water from cleaning out produced water tank in order to repair a leak in the tank.

CWS attached.

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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: February 4, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson 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 Wrotenberg**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 29-6 Unit #218 API # 30-039-24746 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit L, Sec. 5, T29N, R6W 2013' FSL & 822' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste 10 BBL Tank bottoms & wash from cleaning out produced water tank in order to repair a leak in the tank	

I, Monica D. Olson

Print Name

representative for :

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 MAC 3.1 subpart 1403.C and D.

ame (Original Signature): Monica D. Olson

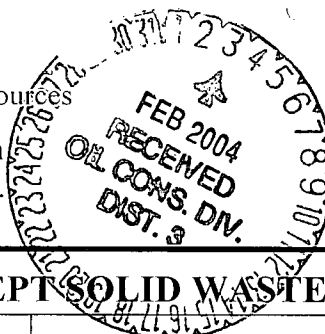
itle: HSE & Regulatory Technician 599-3458

ate: 2-4-04

5/08

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 31-6 Unit #204
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) "N" Sec 3, T30N, R6W, Rio Arriba County	Project #96052-076
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:

Produced water tank bottoms and fresh wash water from cleaning out tank in order to inspect/repair hole in tank.

CWS attached.

Estimated Volume \_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: February 2, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Wendy Zant</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/04/04</u>
APPROVED BY: <u>R. E. Kyle</u>	TITLE: <u>geologist</u>	DATE: <u>2-5-4</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 ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 31-6 Unit #204 API # 30-039-24437 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit N, Sec. 3, T30N, R4W 1000' FSL & 1845' FWSL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms & wash from cleaning out tank in order to inspect/repair hole in tank, produced water tank	

I, Monica D. Olson 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  
IMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Monica D. Olson

Title: Health, Safety, Environmental & Regulatory Technician

Date: 2-2-04

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

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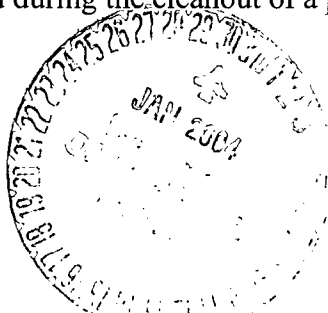
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: ChevronTexaco
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Burroughs B #4A
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "P" Sec 2, T27N, R9W, 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:

Paraffin & produced water contaminated media generated during the cleanout of a production tank for inspection.

CWS attached.



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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 29, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Focht TITLE: Enviro/Eng DATE: 2/02/04

APPROVED BY: R. K. Kuyler TITLE: geologist DATE: 2-2-4



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 <i>Chevron Texaco P.O. Box 1289 Farmington, NM 87499</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>Burroughs B #4A</i>	Location of the Waste (Street address &/or ULSTR): <i>Section 2, 27N, 9W SE SE</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Paraffin, Produced Water contaminated media, generated during the clean out of Production tank for inspection.</i>	

I, *Keith Beam* representative for :  
Print Name

*Chevron Texaco* 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): *Keith Beam*

Title: *HES Professional*

Phone Number: *505-326-2857-Ext. 112*

Date: *1-29-2004*

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

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Caulkins Oil Company
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Breech F # 8M
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "O" Sec 34, T27N, R6W, 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:

Emulsion and production contaminated water from separator wash out. Material is fresh water contaminated with coal fines, paraffin, rust, etc.

CWS attached.



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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: January 28, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Wegny Zeat</u>	TITLE: <u>Enviro/Engn</u>	DATE: <u>2/04/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>2-5-4</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

04012-001

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Caulkins Oil Company 1409 W. Aztec Blvd. Suite B7 Aztec, NM 87410	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Breech "F" 8-M	Location of the Waste (Street address &/or ULSTR): Unit Letter O Section 34-T27N-R6W
attach list of originating sites as appropriate	
4. Source and Description of Waste Emulsion and production contaminated water from separator wash out. Material is fresh water contaminated with Coal fines, paraffin, rust, etc.	

1. Sandra Rogers representative for :  
Print Name

Caulkins Oil 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): Sandra M. Rogers

Title: Secretary for Bobby Verquer Superintendent

Phone Number: 505-334-4323 330-1601 Bobby

Date: January 28, 2004

• 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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Plus 1 Copy  
to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Elm Ridge Resources
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Ignacio Gas Plant
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) CR 310 #11117, San Juan County, Colorado	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.	

### BRIEF DESCRIPTION OF MATERIAL:

Soil stained by pig receiver process water. Process water is produced water that came out of well bores and was pushed out during line pigging.

CWS and Notification to CDPHE attached.



Estimated Volume 20cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: January 28, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>2/04/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geo/60925</u>	DATE: <u>2-5-4</u>





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

03056-004

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Elm Ridge Resources, Inc. PO Box 189 Farmington, NM 87499	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): <b>Ignacio Gas Plant</b> CR 310 #11117 <b>San Juan County, Co</b> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Stained dirt from pig receiver process water - produced water that <b>Came out of well bores.</b>	

I, Mack Humphrey representative for: Elm Ridge Resources, Inc.  
Print Name

Elm Ridge Resources, Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste

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

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

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

☐ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

Name (Original Signature): *Mack Humphrey*

Title: Construction Foreman

Phone Number: 505-632-3476

Date: 1-28-04

January 28, 2004

Project No. 03056-004

Colorado Department of Public Health and Environment  
Attn: Donna Stoner  
222 South 6<sup>th</sup> Street, Room 232  
Grand Junction, Colorado 81501

Phone (970) 248-7168  
Fax (970) 248-7198

**RE: DISPOSAL OF CONTAMINATED DIRT FROM PIG RECEIVER PROCESS WATER AT THE  
IGNACIO GAS PLANT**

Dear Ms. Stoner:

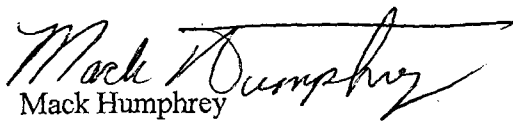
Elm Ridge Resources will be transferring pig receiver process water contaminated soil from the Ignacio Gas Plant located at #11117 CR 310, San Juan County, Colorado, to the Envirotech Inc. Soil Remediation Facility, Landfarm #2, located near Hilltop, New Mexico.

This is exempt waste and meets approval requirements for the Envirotech facility. We are providing courtesy notification for the transfer of the material.

Should you have any questions or require any additional information, please do not hesitate to contact Ms. Landrea Jackson with Envirotech Inc. at (505) 632-0615.

Sincerely,

**ELM RIDGE RESOURCES**



Mack Humphrey  
Construction Foreman

CC: Landrea Jackson, Envirotech Inc.

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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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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Revised March 17, 1999

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input 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: Argenta Ute #2 SWD
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Key
7. Location of Material (Street Address or ULSTR) "J" Sec 31, T34N, R10W, La Plata County, 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.	

### BRIEF DESCRIPTION OF MATERIAL:

Wash water and tank bottoms (coal fines & sludge) from cleaning out 1 of 10 tanks at SWD. Tanks are building up with sludge and need to be cleaned for proper operation.

CWS and notification to CDPHE attached.

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

SIGNATURE Landrea R Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: January 28, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Fort

TITLE: Enviro/Engl

DATE: 2/02/04

APPROVED BY: K. High

TITLE: geologist

DATE: 2-2-4

96052-075



# 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 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Argenta #2 SWD	Location of the Waste (Street address &/or ULSTR): API # 05-067-06164 NWSE, Sec. 31, T34N, R10W 1571' FSL & 1418' FEL La Plata County, CO
attach list of originating sites as appropriate	
4. Source and Description of Waste 100 BBL of wash water & tank bottoms (coal fines & sludge) from cleaning out one of ten tanks at SWD. Tanks are building up w/ sludge & need to be cleaned for proper operation.	

Monica D. Olson

Print Name

representative for :

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.

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

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

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

 ame (Original Signature): Monica D. Olson

 title: HSE & Regulatory Technician

 date: January 28, 2004



San Juan Operations  
5525 Hwy 64  
Farmington, NM 87401

## FAX

**Date:** January 28, 2004

**No. of pages including cover sheet:** 2

**To:** Donna Stoner  
**Company:** CDPHE  
**Location:** Grand Junction, CO  
**Phone:** 970-248-7168  
**Fax:** 970-248-7198

**From:** Monica D. Olson  
**Department:** San Juan HSE  
**Phone:** 505-599-3458  
**Fax:** 505-599-3442

**Remarks:** ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please Comment

Ms. Stoner,

This is to inform you that we will be hauling tank bottoms from our Argenta Ute #2 SWD located in La Plata County, CO to Envirotech Landfarm near Farmington, NM. We will be hauling 100 BBL of tank bottoms and wash from 1 of the 10 tanks located at the facility, and will be cleaning out the rest of the tanks over the next few months. We are needing to clean out these tanks in order to continue our operations properly. The tank contains RCRA exempt oilfield waste.

As always, I am including the NMOCD Certificate of Waste Status form for your information.

Please let me know if you have any questions or comments. Thank you!

Monica D. Olson  
HSE & Regulatory Technician  
ConocoPhillips Company  
5525 Hwy. 64  
Farmington, NM 87401  
Phone: 505-599-3458

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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to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 29-6 Unit #92  6. Transporter: Key  8. State: New Mexico  Project #96052-074
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) "M" Sec 12, T29N, R6W, Rio Arriba County	
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

### BRIEF DESCRIPTION OF MATERIAL:

Soil stained with condensate from 90bbl condensate spill within bermed area.

CWS attached.

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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: January 28, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Teut</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>2/02/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>2-2-4</u>

96052-074



# 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 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 29-6 Unit #92 API # 30-039-07646 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit M, Sec. 12, T29N, R6W 1190' FSL & 1040' FWL Rio Arriba County, NM
4. Source and Description of Waste Soil stained w/ condensate from 90 BBL condensate spill w/in bermed area	

Monica D. Olson

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

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

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

☐ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

Signature (Original Signature):

Monica D. Olson

Title:

HSE & Regulatory Technician

Date:

January 28, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
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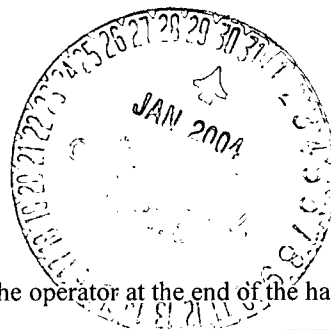
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Public Service Company of NM  5. Originating Site: San Juan Interconnect Compressor Station
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) "M" Sec 12, T28N, R11W, San Juan County	Project #03024-008
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

### BRIEF DESCRIPTION OF MATERIAL:

New lubricating oil contaminated soil generated when sight glass on an above-ground storage tank was shot out.

CWS & MSDS attached.



Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 28, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Junt TITLE: Environ/Engr DATE: 2/02/04  
APPROVED BY: R. J. Offord TITLE: geologist DATE: 2-2-4





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

03024-008

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Public Service Company of New Mexico Alvarado Square, MS 2104 Albuquerque NM 87158	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan Interconnect Compressor Station attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit Letter M, Section 12, T28N, R11W San Juan County, NM 1890 County Road 4980 South of Bloomfield, NM
4. Source and Description of Waste New lubricating oil contaminated soil generated when sight glass on an above-ground storage tank broke.	

I, ROBIN K. Delapp representative for :  
Print Name

Public Service Company of New Mexico 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 - New lubricating oil

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): Robin K. Delapp

Title: Senior Environmental Scientist

Phone Number: (505) 241-2016

Date: 1/28/04

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>

605717-00 MOBIL PEGASUS 710  
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 710  
SUPPLIER: EXXONMOBIL CORPORATION  
3225 GALLOWES RD.  
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411  
24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300  
(Secondary) 281-834-3296

Product and Technical Information:

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.ihssolutions.com/>

2. COMPOSITION/INFORMATION ON INGREDIENTS

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

GLOBALLY REPORTABLE MSDS INGREDIENTS:

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

CALCIUM PHENATE, SULFURIZED, HIGH OVERBASED	1-5
SULFONIC ACIDS, PETROLEUM, CALCIUM SALTS (SYNTHETIC) (61789-86-4)	1-5

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: 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

<http://emmsds.ihspsl.com/netacgi/nph-brs.exe?d=MRUS&s1=&s2=&s3=&s4=000003951&S...> 3/26/03

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**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.

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**5. FIRE-FIGHTING MEASURES**

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**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):** > 246(475) (ASTM D-92).

**Flammable Limits (approx.% vol.in air) - LEL:** 0.9%, **UEL:** 7.0%

**NFPA HAZARD ID:** Health: 0, Flammability: 1, Reactivity: 0

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**6. ACCIDENTAL RELEASE MEASURES**

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**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**

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**HANDLING:** No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

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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/m<sup>3</sup> (as oil mist) - ACGIH Threshold Limit Value (TLV), 10 mg/m<sup>3</sup> (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m<sup>3</sup> (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: Amber

ODOR: Mild

ODOR THRESHOLD-ppm: NE

pH: NA

BOILING POINT C(F): > 288(550)

MELTING POINT C(F): NA

FLASH POINT C(F): > 246(475) (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: 0.896

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 121.0

VISCOSITY AT 100 C, cSt: 13.2

POUR POINT C(F): < -15(5)

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FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: NE

DMSO EXTRACT, IP-346 (WT.%): &lt;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

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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 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 picosiemens or less): YES

## 15. REGULATORY INFORMATION

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US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, 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
2INC (ELEMENTAL ANALYSIS) (0.03%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI	68649-42-3	22
C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.26%)		

#### --- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

## 16. OTHER INFORMATION

USE: NATURAL GAS ENGINE OIL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBs.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

### INDUSTRIAL LABEL

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.

\*\*\*\*\*  
 For Internal Use Only: MHC: 1\* 1\* 1\* 1\* 1\*, MPPEC: A, TRN: 605717-00,  
 ELIS: 403164, CMCS97: 979930, REQ: US - MARKETING, SAFE USE: L  
 EHS Approval Date: 08JUL2002  
 \*\*\*\*\*

\*\*\*\*\*  
 Legally required information is given in accordance with applicable

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending any license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Use or re-transmission of the information contained herein in any other format than the format as presented is strictly prohibited. Mobil neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

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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 type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: <u>Patina San Juan, Inc.</u>  5. Originating Site: <u>Jicarilla C #1</u>
2. Management Facility Destination: <u>Envirotech Soil Remediation Facility, Landfarm #2</u>	6. Transporter: <u>Scat</u>
3. Address of Facility Operator: <u>5796 U.S. Highway 64, Farmington, NM 87401</u>	8. State: <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) "P" Sec 11, T26N, R4W, Rio Arriba County	Project #04010-001
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:**

Emulsion and production contaminated water from separator wash out. Material is fresh water contaminated with coal fines, paraffin, rust, etc.

CWS attached.

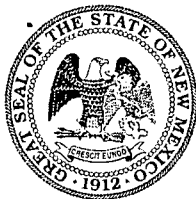
Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy

SIGNATURE Landrea R. Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: January 27, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>[Signature]</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>2/04/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>geologist</u>	DATE: <u>2-8-4</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 Patina San Juan, Inc. 5802 US Hwy 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Jicarilla C #1 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "P" Sec 11, T26N, R4W, Rio Arriba County
4. Source and Description of Waste Emulsion and Production contaminated water from separator wash out. Material is fresh water contaminated with coal fines, paraffin, rust, etc.	

I, Rodney L. Seale representative for :  
Print Name

Patina San Juan, 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)

X **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): Rodney L. Seale 2-2-04

Title: District Manager

Phone Number: (505) 632-8056

Date: 01/27/04

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Robert L. Bayless  5. Originating Site: Tocito Dome Tank Battery
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) NE/4, Sec 20, T16N, R20W, San Juan County	Project #92102-012
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:

Spent Sulfatreat material. Gray gravel-like material containing iron pyrite.

CWS attached.



Estimated Volume 7 cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 27, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Wendy Feunt

TITLE: Enviro/Eng

DATE: 2/08/04

APPROVED BY: [Signature]

TITLE: geologist

DATE: 2-2-4



# 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 Robert L. Bayless Producer LLC PO Box 168 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Tocito Dome Tank Battery: NE/4, Section 20, T16N, R20W, San Juan County, NM	
Location of the Waste (Street address &/or ULSTR): attach list of originating sites as appropriate	
4. Source and Description of Waste 7 CY spent Sulfatreat material. Gray gravel-like material containing iron pyrite.	

I, Tom McCarthy representative for :  
Print Name

Robert L. Bayless Producer 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)

XX EXEMPT oilfield waste

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

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

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

MSDS Information

Other (description)

RCRA Hazardous Waste Analysis

Chain of Custody

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

Name (Original Signature): Tom McCarthy

Title: Engineer

Phone Number: (505) 326-2659

Date: 1/27/2004

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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District Office

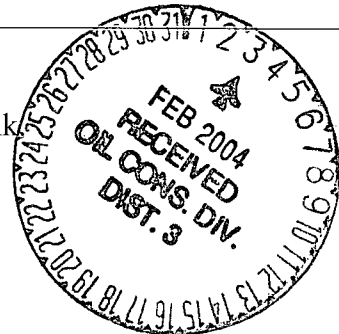
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 Unit #35A
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) "C" Sec 1, T27N, R7W, Rio Arriba County	Project #96052-077
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:

Production pit tank bottoms and fresh wash water being removed in order to replace tank

CWS attached.



Estimated Volume \_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_cy

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: January 22, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Ferret</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>2/04/04</u>
APPROVED BY: <u>[Signature]</u>	TITLE: <u>9-10/09/04</u>	DATE: <u>2-5-4</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 ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 Unit #35A API # 30-039-23984 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit C, Sec. 1, T27N, R7W 1130 FNL E, 1450' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms & wash being removed in order to replace tank production pit tank	

I, Monica D. Olson 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. Olson

Title: HSE & Regulatory Technician 599-3458

Date: 1/22/04

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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Revised March 17, 1999

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to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

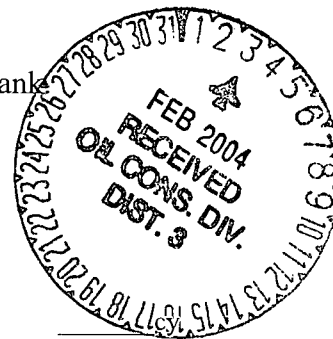
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 Unit #35A  6. Transporter: Scat  8. State: New Mexico  Project #96052-077
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) "C" Sec 1, T27N, R7W, Rio Arriba 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:

Production pit tank bottoms and fresh wash water being removed in order to replace tank

CWS attached.

Estimated Volume \_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul)



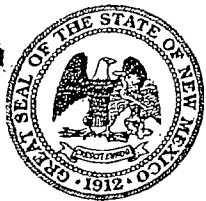
SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 22, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro/Eng DATE: 2/04/04  
APPROVED BY: [Signature] TITLE: geologist DATE: 2-5-4

420



# 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 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 Unit #35A API # 30-039-23984 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit C, Sec. 1, T27N, R7W 1130 FNL E, 1450' FWL Rio Arriba County, New Mexico
4. Source and Description of Waste Tank bottoms & wash being removed in order to replace tank production pit tank	

Monica D. Olson

Print Name

representative for :

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.

or **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 MAC 3.1 subpart 1403.C and D.

Signature (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician 599-3458

Date: 1/22/04



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

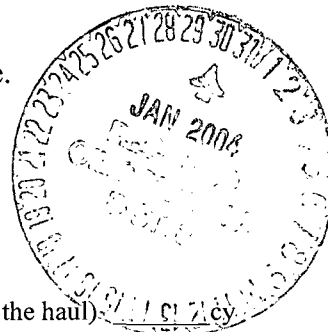
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: XTO
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: Masden Gas Com #1E
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Scat
7. Location of Material (Street Address or ULSTR) "D" Sec 28, T29N, R11W, 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:

Bottoms from blow down tank used to vent the well. Material has been downhole.

CWS attached.

Estimated Volume \_\_\_\_\_cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_cy



SIGNATURE Landrea Jackson  
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager DATE: January 22, 2004

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Henry Teant

TITLE: Enviro/Eng

DATE: 2/2/04

APPROVED BY: [Signature]

TITLE: geologist

DATE: 2-2-4

98031-008



# 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 <u>XTO Energy Inc</u> <u>2700 Farmington Ave., Bldg K, Ste 1</u> <u>Farmington NM 87401</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>Masden Gas Com #1E</u>	Location of the Waste (Street address &/or ULSTR): <u>Unit D, Sec 28, T29N, R11W</u>
attach list of originating sites as appropriate	
4. Source and Description of Waste <u>Waste is bottoms from blow down tank used to</u> <u>vent the well.</u>	

 I, DARRIN STEED representative for :  
 Print Name

XTO ENERGY INC do hereby certify that, according to the Resource  
 Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1983, 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): Darrin Steed

 Title: HSE & Regulatory Supervisor

 Phone Number: 324-1090

 Date: 1/21/04





# 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 Highway 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 28-7 #182 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "A" Section 3, T27N, R7W, Rio Arriba County
4. Source and Description of Waste Production pit tank bottoms being removed in order to replace tank.	

I, Mike O'Nan 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): Mike O'Nan

Title: Operations Lead

Phone Number: 599-3433

Date: 1/22/04

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Energen Resources Corp.  5. Originating Site: Carson #1 SWD
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	6. Transporter: Riley
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) "D" Sec 26, T30N, R04W, Rio Arriba County	Project #03022-003
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:**

Produced water, sand, and coal fines produced during the cleaning of storage tanks to perform internal inspection and repairs. All materials in the tanks have been downhole.

CWS attached.



Estimated Volume ~45bbls cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 22, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Fournier TITLE: Enviro/ Engr DATE: 2/02/04  
APPROVED BY: [Signature] TITLE: geologist DATE: 2-2-04

03022-003



# 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 <b>Energen Resources Corporation</b> <b>2198 Bloomfield Highway</b> <b>Farlington, NM 87401</b>	2. Destination Name: <b>Envirotech Inc. Soil Remediation Facility</b> <b>Landfarm #2</b> <b>Hilltop, New Mexico</b>
3. Originating Site (name): <b>ERC Carson #1 SWD</b> <b>Produced water storage tank battery</b> <b>attach list of originating sites as appropriate</b>	Location of the Waste (Street address &/or ULSTR): <b>Letter "D" section 26, T30N, R4W Rio Arriba County</b>
4. Source and Description of Waste  <b>Produced water, sand, and coal fines produced during the cleaning of storage tanks to perform internal inspection and repairs. All materials in the tanks have been down-hole.</b>	

I, **Larry M. Brooks** representative for :  
Print Name

**Energen Resources Corporation** 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: **Production Foreman**

Phone Number: **505-326-6131**

Date: **1/22/2004**

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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Revised March 17, 1999

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District Office

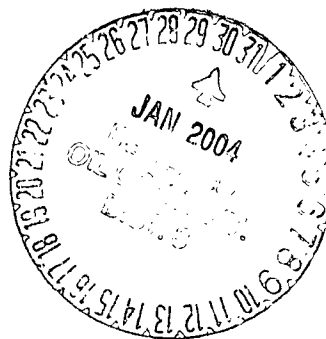
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: El Paso Field Services  5. Originating Site: Lindrith Station
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) SE/4, Sec 18, T24N, R5W, Rio Arriba County	Project #97057-090
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:

Hydrocarbon sludge from condensate tank cleaning.

CWS Attached



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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 20, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny J. J. J.</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>2/02/04</u>
APPROVED BY: <u>K. J. J.</u>	TITLE: <u>Geologist</u>	DATE: <u>2-2-4</u>



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

97057-090

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Lindrith Station	Location of Waste (Street address &/or ULSTR): SE/4, Section 18, T24N, R5W, Rio Arriba Co., NM
attach list of originating sites as appropriate	
4. Source and Description of Waste Hydrocarbon sludge from condensate tank cleaning	

I, David Bays representative for:  
Print Name

El Paso Field Services Co do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is:  
(Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **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: Principal Environmental Scientist

Date: January 20, 2004



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

RECEIVED

Form C-138  
Revised March 17, 1999  
Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

JAN 15 2004

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 1/12/04</i>	4. Generator: <i>Oil Conservation Division 1220 S. Saint Francis Drive Santa Fe, NM 87505</i>
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: SPC Plant Blender Tank in Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 3250 Southside River Road, 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:

New diesel and gel slurry being removed from tank in order to change to a new product

CWS and MSDS attached.



Estimated Volume ~300gal cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE *Landrea Jackson* TITLE: Landfarm Manager DATE: January 12, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <i>Dennis Farn</i>	TITLE: <i>Enviro/Engr</i>	DATE: <i>1/12/04</i>
APPROVED BY: <i>Martyn</i>	TITLE: <i>Environmental Geologist</i>	DATE: <i>1/20/04</i>

012004

440

District I  
1525 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

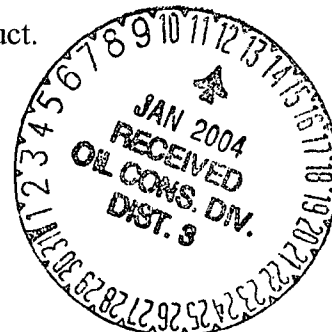
## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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 Not 1/17/04</i>	4. Generator: BJ Services
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: SPC Plant Blender Tank in Yard
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 3250 Southside River Road, Farmington	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:

New diesel and gel slurry being removed from tank in order to change to a new product.

CWS and MSDS attached.



Estimated Volume ~300gal cy Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 12, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Feunt TITLE: Environment/Eng DATE: 1/12/04  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



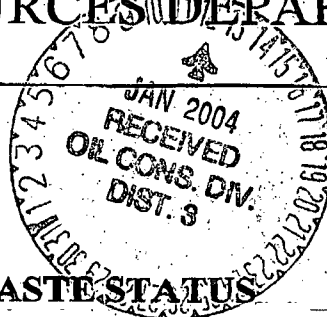
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

Joanna Prukop

Cabinet Secretary


 Lori Wrotenbery  
Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address BJ Services 3250 Southside River Road Farmington, New Mexico 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): SPC Plant Blender Tank in Yard attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 3250 Southside River Road, Farmington, NM
4. Source and Description of Waste ~200 gallons new diesel and gel slurry being removed from tank in order to change to a new product.	

 I, Les Baugh representative for :  
Print Name

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

☐ EXEMPT oilfield waste

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

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

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

☒ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

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

 Name (Original Signature): Les Baugh


 Title: Facilities Supervisor

 Phone Number: 505-327-6222

 Date: 1/9/04

 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>

950 26 10

	<b>BJ SERVICES COMPANY</b> <b>MATERIAL SAFETY DATA SHEET</b>	Region:  USA
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**SECTION I - GENERAL INFORMATION**

PRODUCT NAME: ITEM NUMBER : CHEMICAL DESCRIPTION: PRODUCT USE: SUPPLIER: ADDRESS:	<b>GW-4</b> 424203, 488011 Guar gum Gellant - water BJ Services Company 5500 Northwest Central Dr Houston TX 77092 <hr/> <b>EMERGENCY TELEPHONE NUMBER</b> (800)424-9300 for CHEMTREC (703)527-3887 Alaska and International BJ Services Environmental Group (281)351-8131 September 18, 2000 Supersedes: November 17, 1997
PREPARED BY:  DATE PREPARED:	

**HMIS HAZARD INDEX**  
 HEALTH: 1  
 FLAMMABILITY: 1  
 REACTIVITY: 0  
 PERSONAL PROTECTION: e

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Guar gum	9000-30-0	>99	Irritant

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

FLASHPOINT (METHOD): UPPER EXPLOSION LIMIT(% BY VOL): LOWER EXPLOSION LIMIT(% BY VOL): AUTO-IGNITION TEMPERATURE: EXTINGUISHING MEDIA:  SPECIAL FIRE FIGHTING PROCEDURES:	>200°F (TOC) N.E. N.E. N.E. Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors of products of combustion exists.
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EXPLOSION DATA:

Like all carbohydrate and most dry chemicals, a potential dust explosion hazard exists if the dust concentration in air is too high. Good housekeeping procedures are required to reduce this potential hazard.

HAZARDOUS COMBUSTION PRODUCTS:

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

**SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Eye contact, inhalation

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT: No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.

SKIN ABSORPTION: No specific information available. Contains materials that may be practically nontoxic.

EYE CONTACT: No specific information available. Contains materials that may cause eye injury which may persist for several days.

INHALATION: No specific information available. Dust may produce a respiratory allergenic response and/or irritation in some individuals.

INGESTION: Contains materials that may be practically nontoxic. Ingestion of dry powder may result in the material swelling in the throat possibly causing blockage of the throat and choking. Ingestion is not an expected route of entry.

CHRONIC OVEREXPOSURE EFFECTS: Based on a medical study of exposed workers, some individuals may develop a respiratory allergenic response to guar dust. Persons with a history of respiratory allergies may have those conditions aggravated by exposure to guar dust.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Guar gum	10 mg/m3 (total dust)	10 mg/m3 (total dust)

CARCINOGENICITY, REPRODUCTIVE EFFECTS:  
Not listed as carcinogen - IARC, NTP, or OSHA

TERATOGENICITY, MUTAGENICITY:  
No effects listed.

TOXICITY STUDIES:  
LD(50) N.E.  
LC(50) N.E.

## **SECTION V - FIRST AID PROCEDURES**

FOR EYES: Flush with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

FOR SKIN: Remove contaminated clothing and wash contact area with water and mild soap, if available. If irritation develops or persists, contact a physician.

FOR INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

FOR INGESTION: Fluids should be taken to prevent esophageal obstruction if dry material is swallowed. Get medical attention.

## **SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR: Off white powder, bean-like odor

SPECIFIC GRAVITY: 1.3

VAPOR PRESSURE: N.A.

VAPOR DENSITY (air=1): N.A.

EVAPORATION RATE: N.A.

BOILING POINT: N.A.

FREEZING POINT: N.A.

SOLUBILITY IN H<sub>2</sub>O: Forms gel

pH: 6-8 at 0.5 wt/wt%

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY: Stable

INCOMPATIBLE MATERIALS: Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Does not polymerize

HAZARDOUS DECOMPOSITION PRODUCTS: See combustion products

## **SECTION VIII - SPECIAL/PERSONAL PROTECTION**

VENTILATION: The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.

RESPIRATORY PROTECTION: Dust mask - Where ventilation is inadequate, wear a NIOSH approved dust or air-line respirator.

PROTECTIVE GLOVES: Rubber or neoprene

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT: Eyewash bottles or other rinsing equipment should be easily accessible.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES: For wet material, dike spill and absorb with inert material and collect for disposal. Caution: Wet material is slippery. For dry powder, sweep or scoop-up and collect for disposal. Avoid creating dust clouds and breathing dust.

WASTE DISPOSAL: If this product becomes a waste it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to local/state/federal regulations.

**HANDLING & SPECIAL EQUIPMENT:** Avoid breathing dust. Surfaces dusted with this product can become slippery when wet.

**STORAGE REQUIREMENTS:** Store in a dry place. Keep container closed to avoid moisture pickup. Avoid creating dust clouds and breathing dust when handling.

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

PROPER SHIPPING NAME:	Not DOT Regulated
HAZARD CLASS:	N.A.
UN/NA NUMBER:	N.A.
PACKING GROUP W/ "PG":	N.A.
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	N.A.

### **ENVIRONMENTAL INFORMATION**

#### **SARA TITLE III**

SECTION 302/304	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312	Immediate, Delayed
SECTION 313	This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

#### **OTHER REGULATORY INFORMATION**

TSCA INVENTORY:	All of the components in this appear on the TSCA inventory.
CALIFORNIA PROP 65:	This product is not subject to California Proposition 65 notification.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Once printed, the information contained in this document is valid for a period of 45 days from its date stamp. 11/22/2002

Revision: 1

Status: Approved & Released MSDS

#### **Revision History:**

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	Today
2	1	Telephone number	09/18/00







# BJ SERVICES COMPANY MATERIAL SAFETY DATA SHEET

Region:

USA

## SECTION I - GENERAL INFORMATION

PRODUCT NAME:

**Diesel #2**

ITEM NUMBER :

182848, 100365

CHEMICAL DESCRIPTION:

Diesel Oil

PRODUCT USE:

Solvent

SUPPLIER:

BJ Services Company

ADDRESS:

5500 Northwest Central Dr

Houston TX 77092

EMERGENCY TELEPHONE NUMBER

(800)424-9300 for CHEMTREC

(202)483-7616 Alaska and

International

PREPARED BY:

BJ Services Environmental Group

(281)351-8131

DATE PREPARED:

August 7, 2000 Supersedes:

August 6, 1998

### HMIS HAZARD INDEX

HEALTH: 1

FLAMMABILITY: 2

REACTIVITY: 0

PERSONAL PROTECTION: h

## SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Diesel Fuel	68476-34-6	100	Combustible

## SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD):

130°F (TCC)

UPPER EXPLOSION LIMIT(% BY VOL):

6.0

LOWER EXPLOSION LIMIT(% BY VOL):

0.4

AUTO-IGNITION TEMPERATURE:

494°F

EXTINGUISHING MEDIA:

Water spray, dry chemical, CO2, foam

SPECIAL FIRE FIGHTING PROCEDURES:

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. Do not enter enclosed or confined space without proper

EXPLOSION DATA:

protective equipment including respiratory protection.

Vapor forms explosive mixture with air.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide, and a variety of hydrocarbons

#### **SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Skin contact, inhalation

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT:	Prolonged or repeated contact with skin may cause irritation or contact dermatitis.
SKIN ABSORPTION:	Not absorbed by skin.
EYE CONTACT:	Eye contact may cause irritation and redness.
INHALATION:	Prolonged exposure may cause signs and symptoms of Central Nervous System depression such as headache, dizziness, loss of appetite, weakness, and loss of coordination. May also lead to chemical pneumonia.
INGESTION:	Will cause nausea, vomiting, diarrhea, and restlessness.

CHRONIC OVEREXPOSURE EFFECTS: Eye irritation, skin irritation leading to dermatitis, CNS depression and chemical pneumonia.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Diesel Fuel	N.E.	N.E.

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Petroleum distillate, a component of this product, has been shown to cause skin cancer in laboratory animals.

TERATOGENICITY, MUTAGENICITY:

No effects listed.

TOXICITY STUDIES:

LD(50)	9 ml/kg (oral-rat)
LC(50)	N.E.

#### **SECTION V - FIRST AID PROCEDURES**

FOR EYES: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, contact a physician.

FOR SKIN: Flush skin with water or wash with mild soap and water if available. If irritation persists, contact a physician.

FOR INHALATION: Remove to fresh air. If breathing has stopped, give artificial

FOR INGESTION:

respiration. Keep person warm, quiet and get medical attention.

DO NOT induce vomiting. Aspiration into the lungs will cause severe chemical pneumonia. Seek medical attention immediately!

## **SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR:	Clear or straw-colored or dyed blue/green/red liquid with aromatic odor.
SPECIFIC GRAVITY:	0.84-0.88 @ 60°F
VAPOR PRESSURE:	1 mm Hg @ 68°F
VAPOR DENSITY (air=1):	>1
EVAPORATION RATE:	N.E.
BOILING POINT:	350-690°F (177-366°C)
FREEZING POINT:	N.E.
SOLUBILITY IN H2O:	Insoluble
pH:	N.A.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Strong oxidizers
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	See Combustion Products

## **SECTION VIII - SPECIAL/PERSONAL PROTECTION**

VENTILATION:	The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.
RESPIRATORY PROTECTION:	As needed. Air purifying, half face piece, organic vapor cartridge or canister.
PROTECTIVE GLOVES:	Rubber or neoprene
EYE PROTECTION:	Safety glasses or goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES:	Eliminate ignition sources. Dike or contain spill to prevent material from entering waterways. Pump large spills into salvage containers. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers.
WASTE DISPOSAL:	If this product becomes a waste it may meet the requirements of a RCRA hazardous waste with the waste code D001. Always dispose of according to all local, state, and

**HANDLING & SPECIAL EQUIPMENT:** federal laws and regulations. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Keep away from heat, sparks and open flames. Ground container when pouring. Keep containers closed when not in use.

**STORAGE REQUIREMENTS:** Store outdoors or in a detached area if possible. Otherwise, store in a well-ventilated area away from heat, sparks and open flames.

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

**PROPER SHIPPING NAME:** Diesel Fuel  
**HAZARD CLASS:** 3  
**UN/NA NUMBER:** NA1993  
**PACKING GROUP W/ "PG":** PGIII  
**SUBSIDIARY RISK:** N.A.  
**REPORTABLE QUANTITY (RQ):** N.A.  
**EMERGENCY RESPONSE GUIDE #:** 128

### **ENVIRONMENTAL INFORMATION**

#### **SARA TITLE III**

**SECTION 302/304** This product does not contain ingredients listed as an Extremely Hazardous Substance.

**SECTION 311/312** Immediate, Delayed, Fire  
**SECTION 313** This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

### **OTHER REGULATORY INFORMATION**

**TSCA INVENTORY:** All of the components in this appear on the TSCA inventory.

**CALIFORNIA PROP 65:** None of the chemicals on the current Proposition 65 list are known to be present in this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Once printed, the information contained in this document is valid for a period of 45 days from its date stamp. 11/22/2002

Revision: 2

Status: Approved & Released MSDS

Revision History:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	Today
2	HMIS, II, III, IV, VI, IX, X	HMIS, CAS#, Fire & explosion data, LD50, Physical data, Handling precautions, Regulatory information	8-6-98
3	I	Telephone number	08/07/00



**BJ SERVICES COMPANY**  
**MATERIAL SAFETY DATA SHEET**

Region:

USA

**SECTION I - GENERAL INFORMATION**

PRODUCT NAME:

**PSA-1**

ITEM NUMBER:

488164

CHEMICAL DESCRIPTION:

Organophilic clay

PRODUCT USE:

Component

SUPPLIER:

BJ Services Company

ADDRESS:

5500 Northwest Central Dr

Houston TX 77092

EMERGENCY TELEPHONE NUMBER

(800)424-9300 for CHEMTREC

(202)483-7616 Alaska and

International

PREPARED BY:

BJ Services Environmental Group

(281)351-8131

DATE PREPARED:

November 9, 2000 Supersedes: February 19,

1998

**HMIS HAZARD INDEX**

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL PROTECTION: f

**SECTION II - HAZARDOUS COMPONENTS**

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Crystalline silica (cristobalite)	14464-46-1	< 1.0	Irritant
Crystalline silica (quartz)	14808-60-7	< 1.0	Irritant

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

FLASHPOINT (METHOD):

N.A.

UPPER EXPLOSION LIMIT(% BY VOL):

N.A.

LOWER EXPLOSION LIMIT(% BY VOL):

73.6 g/m3

AUTO-IGNITION TEMPERATURE:

N.E.

EXTINGUISHING MEDIA:

Alcohol foam, carbon dioxide, dry chemical, or water fog

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should have eye protection and wear self-contained breathing apparatus. Use water spray to cool containers exposed to fire.

EXPLOSION DATA:

Normal precautions for organic dusts should be provided. Avoid dust

HAZARDOUS COMBUSTION PRODUCTS:

concentrations and ensure all equipment is properly grounded to prevent static discharges.  
Oxides of carbon and ammonia

#### **SECTION IV - HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Inhalation and eye contact

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT:	Not expected to cause irritation.
SKIN ABSORPTION:	Cannot be absorbed through the skin.
EYE CONTACT:	May produce slight mechanical irritation.
INHALATION:	May cause slight irritation.
INGESTION:	Not expected to produce adverse effects.

CHRONIC OVEREXPOSURE EFFECTS: As with any nuisance dust, long term exposure to concentrations above recommended exposure guidelines may overload the lung clearance mechanism and cause adverse lung effects and shortness of breath. Long term over exposure to products containing Crystalline Silica may cause silicosis. IARC has classified Crystalline Silica as 2A - Probably carcinogenic to humans.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Crystalline silica (cristobalite)	0.1 mg/m3	0.1 mg/m3
Crystalline silica (quartz)	10 mg/m3 - Total	10 mg/m3 - Total 5 mg/m3 - Respirable

CARCINOGENICITY, REPRODUCTIVE EFFECTS:

Not listed as carcinogenic - OSHA

Listed as a suspected carcinogen - IARC (Group 2A)

Listed as a suspected carcinogen - NTP (Respirable)

TERATOGENICITY, MUTAGENICITY:

No effects listed

TOXICITY STUDIES:

LD(50) > 8,000 mg/kg (Rat)

LC(50) N.E.

#### **SECTION V - FIRST AID PROCEDURES**

FOR EYES: In case of contact, immediately flush eyes with plenty of

FOR SKIN:

water for at least 15 minutes. Lift upper and lower lids and rinse well under them. Get medical attention, preferably an ophthalmologist if irritation occurs.

FOR INHALATION:

Flush all affected areas with plenty of water for several minutes. Remove and wash any contaminated clothing and shoes. Get medical attention if skin irritation occurs.

FOR INGESTION:

Remove to fresh air. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.  
Seek medical attention. If person is conscious and medical help is not readily available, give water and induce vomiting.

## **SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR:	Odorless, light cream powder
SPECIFIC GRAVITY:	1.7 at 600°F
VAPOR PRESSURE:	N.A.
VAPOR DENSITY (air=1):	N.A.
EVAPORATION RATE:	N.A.
BOILING POINT:	N.A.
FREEZING POINT:	N.A.
SOLUBILITY IN H <sub>2</sub> O:	Insoluble
pH:	N.A.

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	None known
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition can produce oxides of carbon and ammonia.

## **SECTION VIII - SPECIAL/PERSONAL PROTECTION**

VENTILATION:	The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.
RESPIRATORY PROTECTION:	NIOSH approved (type) air purifying respirator where TLV is exceeded.
PROTECTIVE GLOVES:	Chemical resistant
EYE PROTECTION:	Safety glasses
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES:	Sweep up and place in suitable containers for reuse or disposal.
WASTE DISPOSAL:	If this product becomes a waste, it does not



meet the requirements of a RCRA hazardous waste. Always dispose of according to all local/state/ and federal regulations.

**HANDLING & SPECIAL EQUIPMENT** Avoid high dust concentrations while handling through the use of ventilation or other suitable controls. Ensure all equipment is grounded to prevent static discharge.

**STORAGE REQUIREMENTS:** None

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

PROPER SHIPPING NAME:	Not DOT Regulated
HAZARD CLASS:	N.A.
UN/NA NUMBER:	N.A.
PACKING GROUP W/ "PG":	N.A.
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	N.A.

### **ENVIRONMENTAL INFORMATION**

#### **SARA TITLE III**

SECTION 302/304	This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312	Immediate, Delayed
SECTION 313	This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

### **OTHER REGULATORY INFORMATION**

TSCA INVENTORY:	All of the components in this appear on the TSCA inventory.
CALIFORNIA PROP 65:	None of the chemicals on the current Proposition 65 list are known to be present in this product.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Once printed, the information contained in this document is valid for a period of 45 days from its date stamp. 11/22/2002

Revision: 1

Status: Approved & Released MSDS

**Revision History:**

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	Today
2	I	Telephone number	11/9/00

	<b>BJ SERVICES COMPANY</b> <b>MATERIAL SAFETY DATA SHEET</b>	Region:  USA
---	---	--------------------

## SECTION I - GENERAL INFORMATION

PRODUCT NAME:	<b>PSA-2L</b>
ITEM NUMBER:	488165
CHEMICAL DESCRIPTION:	Alkoxylated alcohols
PRODUCT USE:	Component
SUPPLIER:	BJ Services Company
ADDRESS:	5500 Northwest Central Dr Houston TX 77092
EMERGENCY TELEPHONE NUMBER	(800)424-9300 for CHEMTREC (703)527-3887 for International
PREPARED BY:	BJ Services Environmental Group
DATE PREPARED:	(281)351-8131 July 9, 2001 Supersedes: November 9, 2000

### HMIS HAZARD INDEX

HEALTH:	2
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTION:	i

## SECTION II - HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Poly (oxy-1,2-ethanediyl)	24938-91-8	100	None

## SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD):	> 300°F (COC)
UPPER EXPLOSION LIMIT(% BY VOL):	N.A.
LOWER EXPLOSION LIMIT(% BY VOL):	N.A.
AUTO-IGNITION TEMPERATURE:	N.E.
EXTINGUISHING MEDIA:	Alcohol foam, carbon dioxide, dry chemical, water fog
SPECIAL FIRE FIGHTING PROCEDURES:	Do not enter a fire area without proper protective equipment, including NIOSH/MSHA approved, self-contained breathing apparatus. Use water spray to cool containers exposed to fire. Avoid exposure to vapors.
EXPLOSION DATA:	N.E.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, carbon dioxide

## SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye and skin contact

**ACUTE OVEREXPOSURE EFFECTS:**

SKIN CONTACT:	May cause skin irritation.
SKIN ABSORPTION:	Not expected to be absorbed through the skin under normal conditions.
EYE CONTACT:	Eye contact may cause irritation and redness.
INHALATION:	Not expected to be harmful by inhalation under normal conditions.
INGESTION:	Not considered to be a likely route of exposure, however, may be harmful if swallowed.

CHRONIC OVEREXPOSURE EFFECTS: No known effects

**EXPOSURE LIMITS:**

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Poly (oxy-1,2-ethanediyl)	N.E.	N.E.

**CARCINOGENICITY, REPRODUCTIVE EFFECTS:**

IARC has identified EtO as a "human carcinogen (Group 1); human evidence is limited; animal evidence is sufficient". EtO has been listed as an "anticipated carcinogen" by the NTP.

**TERATOGENICITY, MUTAGENICITY:**

No effects listed

**TOXICITY STUDIES:**

LD(50)	N.E.
LC(50)	N.E.

**SECTION V - FIRST AID PROCEDURES**

FOR EYES:	Immediately flush with plenty of water for at least 15 minutes. If irritation persists, contact a physician.
FOR SKIN:	Flush all affected areas with plenty of water for several minutes. Remove and wash any contaminated clothing and shoes. Get medical attention if skin irritation occurs.
FOR INHALATION:	Remove to fresh air. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
FOR INGESTION:	If swallowed, seek medical attention. Only induce vomiting at the instructions of medical personnel. Never give anything by mouth to an unconscious person.

**SECTION VI - PHYSICAL DATA**

APPEARANCE AND ODOR:	Clear, colorless to amber liquid with mild polyether odor
SPECIFIC GRAVITY:	0.98 at 77°F
VAPOR PRESSURE:	N.E.
VAPOR DENSITY (air=1):	> 1
EVAPORATION RATE:	N.A.
BOILING POINT:	485°F
FREEZING POINT:	24°F
SOLUBILITY IN H2O:	Insoluble
pH:	6-8 (5% aqueous solution)

## **SECTION VII - REACTIVITY DATA**

CHEMICAL STABILITY:	Stable
INCOMPATIBLE MATERIALS:	Oxidizers, temperature extremes
HAZARDOUS POLYMERIZATION:	Does not polymerize
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide

## **SECTION VIII - SPECIAL/PERSONAL PROTECTION**

VENTILATION:	The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.
RESPIRATORY PROTECTION:	As needed use an air purifying, full facepiece respirator with an organic vapor cartridge.
PROTECTIVE GLOVES:	Chemical resistant
EYE PROTECTION:	Goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash bottles or other rinsing equipment should be easily accessible.

## **SECTION IX - HANDLING PRECAUTIONS**

LEAK AND SPILL PROCEDURES:	Dike or contain spill to prevent material from entering waterways. Pump large spills into salvage containers. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers.
WASTE DISPOSAL:	If this product becomes a waste, it does not meet the requirements of a RCRA hazardous waste. Always dispose of according to all local/state/ and federal regulations.
HANDLING & SPECIAL EQUIPMENT:	Do not get in eyes, on skin or clothing.
STORAGE REQUIREMENTS:	Store in a cool, dry, well-ventilated area.

## **SECTION X - REGULATORY INFORMATION**

### **SHIPPING INFORMATION**

PROPER SHIPPING NAME:	Not DOT Regulated
HAZARD CLASS:	N.A.
UN/NA NUMBER:	N.A.
PACKING GROUP W/ "PG":	N.A.
SUBSIDIARY RISK:	N.A.
REPORTABLE QUANTITY (RQ):	N.A.
EMERGENCY RESPONSE GUIDE #:	N.A.

### **ENVIRONMENTAL INFORMATION**

#### **SARA TITLE III**

SECTION 302/304	This product does not contain ingredients listed as an Extremely Hazardous Substance.
-----------------	---

SECTION 311/312  
SECTION 313

Immediate

This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

**OTHER REGULATORY INFORMATION**

**TSCA INVENTORY:**

All of the components in this product appear on the TSCA inventory.

**CALIFORNIA PROP 65:**

This product contains trace amounts of ethylene oxide (EtO) and 1,4-dioxane, chemicals known to the State of California to cause cancer and/or birth defects or reproductive harm.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Once printed, the information contained in this document is valid for a period of 45 days from its date stamp. 11/22/2002

Revision: 1

Status: Approved & Released MSDS

**Revision History:**

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	Today
2	All	General revision	07/09/01

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

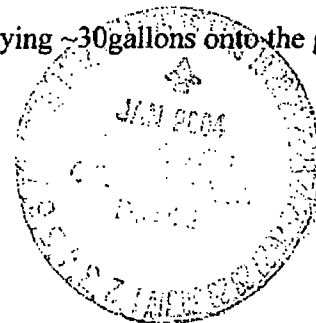
**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

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: Compressor Systems Inc.
2. Management Facility Destination: Envirotech Soil Remediation Facility, Landfarm #2	5. Originating Site: SJ 30-5 #224
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) 1425' FSL, 1112' FWL, Sec 17, T30N, R5W, 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:**

Hydraulic oil contaminated soil generated when a line on compressor broke spraying ~30 gallons onto the ground.

CWS, MSDS, and analytical attached.



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

SIGNATURE Sandra R. Jackson TITLE: Landfarm Manager DATE: January 12, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Feunt</u>	TITLE: <u>Enviro/Eng</u>	DATE: <u>1/16/2004</u>
APPROVED BY: <u>Martin J. H.</u>	TITLE: <u>Environmental Geologist</u>	DATE: <u>1/22/04</u>

1-402210

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

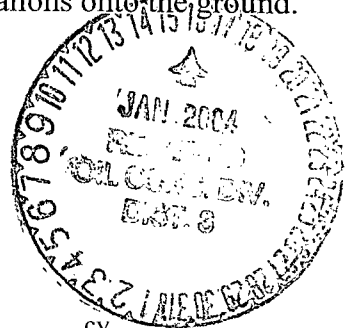
Form C-138  
Revised March 17, 1999  
Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

**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: Compressor Systems Inc.  5. Originating Site: SJ 30-5 #224
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) 1425' FSL, 1112' FWL, Sec 17, T30N, R5W, San Juan County	Project #01038-017
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:**

Hydraulic oil contaminated soil generated when a line on compressor broke spraying ~30gallons onto the ground.  
CWS, MSDS, and analytical attached.



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

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 12, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Runt TITLE: Enviro/Engr DATE: 1/16/2004  
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 <i>COMPRESSOR SYSTEMS INC 5995 US HWY 64 EARMINGTON N.M. 87401</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico</i>
3. Originating Site (name): <i>30-5 # 224 UNIT 40 4682</i>	Location of the Waste (Street address &/or ULSTR): <i>SECT 17-R5W-T30N-1425F5L + 112FWL</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>ABOUT 30 GALLONS OF HYDRAULIC OIL SPRAYED ONTO GROUND FROM BROKEN LINE. CONTAMINATED ABOUT 5 CUBIC YARDS OF SOIL</i>	

I, PHILIP RAY representative for :  
Print Name

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

☐ EXEMPT oilfield waste

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

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

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

☒ MSDS Information

☐ 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): Philip Ray

Title: LEAD SERVICE TECH

Phone Number: 505-632-5501

Date: 1/16/04

Client:	Compressor Systems Inc.	Project #:	01038-001
Sample ID:	30-5 #224	Date Reported:	01-10-04
Laboratory Number:	27505	Date Sampled:	01-06-04
Chain of Custody:	11727	Date Received:	01-09-04
Sample Matrix:	Soil	Date Analyzed:	01-10-04
Preservative:	Cool	Date Digested:	01-09-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.003	0.001	5.0
Barium	0.642	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.005	0.001	5.0
Lead	0.008	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.001	0.001	1.0
Silver	ND	0.001	5.0

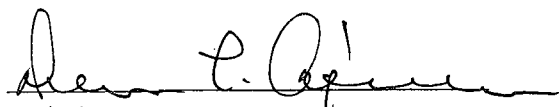
ND - Parameter not detected at the stated detection limit.

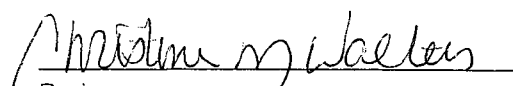
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

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

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

Comments: 30-5 #224.

  
Analyst

  
Review

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-10-04 QA/AC	Date Reported:	01-10-04
Laboratory Number:	27505	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	01-10-04
Condition:	N/A	Date Digested:	01-09-04

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.003	0.003	0.0%	0% - 30%
Barium	ND	ND	0.001	0.642	0.640	0.3%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Lead	ND	ND	0.001	0.008	0.008	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

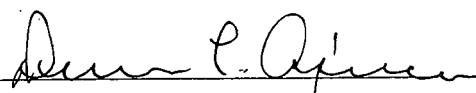
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.003	0.502	99.8%	80% - 120%
Barium	0.500	0.642	1.14	99.8%	80% - 120%
Cadmium	0.500	ND	0.500	100.0%	80% - 120%
Chromium	0.500	0.005	0.504	99.8%	80% - 120%
Lead	0.500	0.008	0.507	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	0.001	0.500	99.8%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

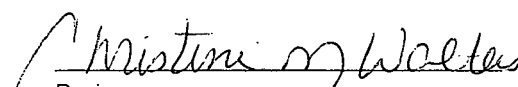
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SW-846, USEPA, December 1996.

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

Comments: QA/QC for sample 27505.

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

11727

Client / Project Name <i>Compressor Systems Inc</i>			Project Location <i>30-5 #224</i>		ANALYSIS / PARAMETERS																							
Sampler: <i>moberg</i> <i>Mattberg co</i>			Client No. <i>01038-001</i>		No. of Containers <i>1</i>	ROCA 8 metals <i>✓</i>								Remarks														
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																								
<i>30-5 #224</i>	<i>1/6/04</i>	<i>-</i>	<i>27505</i>	<i>Soil</i>																								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>1-9-04</i>	Time <i>10:25</i>	Received by: (Signature) <i>[Signature]</i>							Date <i>1-9-04</i>	Time <i>10:45</i>															
Relinquished by: (Signature)					Received by: (Signature)																							
Relinquished by: (Signature)					Received by: (Signature)																							
<div style="text-align: center;"> <b>ENVIROTECH INC.</b>  <hr/> 5796 U.S. Highway 64  Farmington, New Mexico 87401  (505) 632-0615 </div>														<div style="text-align: center;">Sample Receipt</div> <table border="1"> <tr> <td></td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td><i>✓</i></td> <td></td> <td></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td><i>✓</i></td> <td></td> <td></td> </tr> </table>				Y	N	N/A	Received Intact	<i>✓</i>			Cool - Ice/Blue Ice	<i>✓</i>		
	Y	N	N/A																									
Received Intact	<i>✓</i>																											
Cool - Ice/Blue Ice	<i>✓</i>																											

# Material Safety Data Sheet

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### Chevron Rykon® Oil AW

**Product Number(s):** CPS229001, CPS229002, CPS229003

**Synonyms:** CHEVRON Rykon® Oil AW ISO 32, CHEVRON Rykon® Oil AW ISO 46, CHEVRON Rykon® Oil AW ISO 68

#### Company Identification

ChevronTexaco Global Lubricants  
6001 Bollinger Canyon Rd.  
San Ramon, CA 94583  
United States of America  
www.chevron-lubricants.com

Post-It® Fax Note	7671	Date	1/6/04	# of pages	6
To	Phillip	From	Tia		
Co./Dept.	CSI	Co.	Farmington Oil		
Phone #	632-5501	Phone #	325-9422		
Fax #	632-8985	Fax #	326-7275		

#### Transportation Emergency Response

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

#### Health Emergency

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

#### Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

## SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Non-hazardous additive blend in refined oil	Mixture	100 %weight

## SECTION 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:** Not expected to be harmful if inhaled. 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. Symptoms of respiratory irritation may include coughing and difficulty breathing.

## 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:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean

before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** No specific first aid measures are required. 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.

## SECTION 5 FIRE FIGHTING MEASURES

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:

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

**NFPA RATINGS:** Health: 0 Flammability: 1 Reactivity: 0

### FLAMMABLE PROPERTIES:

**Flashpoint:** (Cleveland Open Cup) 170 °C (338 °F) (Min)

**Aut ignition:** No Data Available

**Flammability (Explosive) Limits (% by volume in air):** Lower: Not Applicable Upper: Not Applicable

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

### PROTECTION OF FIRE FIGHTERS:

**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:** 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 vicinity of spilled material.

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

## SECTION 7 HANDLING AND STORAGE

**Precautionary Measures:** 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.

**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'.

**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 in a well-ventilated area.

### 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 in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

**Respiratory Protection:** No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

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

### Occupational Exposure Limits:

Component	Agency	TWA	STEL	Celling	Notation
Non-hazardous additive blend in refined oil	ACGIH	5 mg/m3	10 mg/m3	-	-
Non-hazardous additive blend in refined oil	OSHA Z-1	5 mg/m3	-	-	-

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

**Color:** Yellow

**Physical State:** Liquid

**Odor:** Petroleum odor

**pH:** Not Applicable

**Vapor Pressure:** <0.01 mmHg @ 37.8 °C (100 °F)

**Vapor Density (Air = 1):** >1

**Boiling Point:** >315.6°C (600°F)

**Solubility:** Soluble in hydrocarbon solvents; insoluble in water.

**Freezing Point:** Not Applicable

**Melting Point:** Not Applicable

**Specific Gravity:** 0.86 - 0.9 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

**Density:** 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

**Viscosity:** 28.8 cSt - 61.2 cSt @ 40°C (104°F) (Min)

## 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.

## 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:** No product toxicology data available.

**Acute Dermal Toxicity:** The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Oral Toxicity:** The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Inhalation Toxicity:** The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product 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). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

## SECTION 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The 96 hour(s) LC50 for rainbow trout (*Oncorhynchus mykiss*) is >1000 mg/l.

The 48 hour(s) EC50 for water flea (*Daphnia magna*) is >1000 mg/l.

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

### ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

## SECTION 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.

## 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.

**DOT Shipping Name:** NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

**DOT Hazard Class:** NOT APPLICABLE

**DOT Identification Number:** NOT APPLICABLE

**DOT Packing Group:** NOT APPLICABLE

**Additional Information:** NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

**IMO/IMDG Shipping Name:** NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER THE IMDG CODE



IMO/MDG Hazard Class: NOT APPLICABLE  
IMO/MDG Identification Number: NOT APPLICABLE  
IMO/MDG Packing Group: NOT APPLICABLE

**SECTION 15 REGULATORY INFORMATION**

**EPCRA 311/312 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:**

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	08=PA RTK

No components of this material were found on the regulatory lists above.

**CHEMICAL INVENTORIES:**

**AUSTRALIA:** All the components of this material are listed on the Australian Inventory of Chemical Substances (AICS).

**CANADA:** One or more components of this product are not on the Domestic Substances List (DSL). Volume tracking or notification by the Canadian Importer of Record may be required. Please contact ChevronTexaco Global Lubricants.

**EUROPEAN UNION:** All the components of this material are in compliance with the EU Seventh Amendment Directive 92/32/EEC.

**JAPAN:** All the components of this product are on the Existing & New Chemical Substances (ENCS) inventory in Japan, or have an exemption from listing.

**KOREA:** All the components of this product are on the Existing Chemicals List (ECL) in Korea.

**PHILIPPINES:** All the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

**UNITED STATES:** All of the components of this material are on the Toxic Substances Control Act (TSCA) Chemical Inventory.

**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 (Hydraulic oil)

**WHMIS CLASSIFICATION:**

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

**SECTION 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:** This revision updates the following sections of this Material Safety Data Sheet: 1, 5, 8, 11, 15

**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 - ChevronTexaco	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

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the ChevronTexaco Energy Research & Technology Company, 100 Chevron Way, Richmond, California 94802.

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.

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 checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: San Juan 28-7 Unit #61B
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) "M" Sec 10, T28N, R7W, Rio Arriba County	Project #96052-072
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:

Flowback fluids (frac water, sand) from cleaning out a frac tank to be moved to another location.

CWS attached.

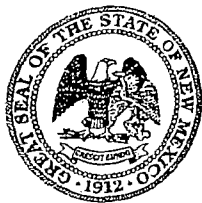
Estimated Volume ~12bbl cy Known Volume (to be entered by the operator at the end of the haul) 306615 cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 12, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Zent TITLE: Enviro/Engl DATE: 1/16/04  
APPROVED BY: K. O'Hea TITLE: geologist DATE: 1-16-4



# 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 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 2B-7 Unit #61B API # 30-039-27250 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Unit M, Sec. 10, T28N, R7W 1070' FSL & 450' FWL Rio Arriba County, NM
4. Source and Description of Waste 12 BBL flowback (frac water, sand) from cleaning out frac tank to be moved to another location	

Monica D. Olson

Print Name

representative for :

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 MAC 3.1 subpart 1403.C and D.

Signature (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician

Date: 1-12-04

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>  Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator: Conoco Phillips  5. Originating Site: Houck #2B
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) "B" Sec11, T29N, R10W, San Juan County	Project #96052-070
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:

Frac water and rust cleaned out of 4 frac tanks to be released to another site.

CWS attached.

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

SIGNATURE Landrea R. Jackson TITLE: Landfarm Manager DATE: January 7, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny Reut</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>1/16/04</u>
APPROVED BY: <u>R. Offay</u>	TITLE: <u>geologist</u>	DATE: <u>1-16-4</u>



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**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenberg**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address ConocoPhillips Company 5525 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Houck #2B attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "B" Sec 11, T29N, R10W, San Juan County
4. Source and Description of Waste Frac water and rust cleaned out of 4 Frac Tanks to be released to another site.	

I, Randy Searcy representative for :  
Print NameConocoPhillips 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): Randy SearcyTitle: HSE TechPhone Number: (505) 599-3468Date: 1/7/04

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1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input 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: Lucerne #1E
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: TBA
7. Location of Material (Street Address or ULSTR) "O" Sec 8, T28N, R11W, 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:

Tank bottoms cleaned from produced water and condensate tank. Tank was discovered to be leaking and was emptied for repairs.

CWS attached.

Estimated Volume ~20bbl cy Known Volume (to be entered by the operator at the end of the haul) 30bbls cy

SIGNATURE Landrea Jackson TITLE: Landfarm Manager DATE: January 7, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)

APPROVED BY: Deeny Zant TITLE: Environ/Engr DATE: 11/6/04  
APPROVED BY: g@ologst TITLE: geologist DATE: 1-16-4



# 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 <i>Conoco Phillips</i> <i>5525 Hwy 64</i> <i>Farmington, NM 87401</i>	2. Destination Name: <i>Envirotech Inc. Soil Remediation Facility</i> <i>Landfarm #2</i> <i>Hilltop, New Mexico</i>
3. Originating Site (name): <i>Lucerne #1E</i> attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): <i>"D" Sec 8, T28N, R11W, San Juan</i> <i>County</i>
4. Source and Description of Waste <i>Tank was leaking, cleaned out for repairs.</i> <i>20 bbls - tank bottoms - produced water +</i> <i>Condensate</i>	

 I, *Patsy Clugston* representative for :  
Print Name

*Conoco Phillips 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): *Patsy Clugston*

 Title: *Regulatory Analyst*

 Phone Number: *505-599-3454*

 Date: *1-7-04*



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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input 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: San Juan 32-7 #44
3. Address of Facility Operator: 5796 U.S. Highway 64, Farmington, NM 87401	6. Transporter: Riley
7. Location of Material (Street Address or ULSTR) "N" Sec 22, T32N, R7W, 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:

Tank bottoms cleaned from flowback tank (sand, frac fluids) so that it can be moved from location.

CWS attached.

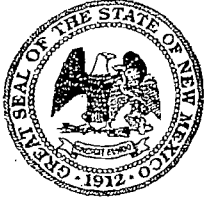
Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) 406615 cy

SIGNATURE Landrea R Jackson TITLE: Landfarm Manager DATE: January 2, 2004  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Landrea Jackson TELEPHONE NO: (505) 632-0615

(This space for State Use)		
APPROVED BY: <u>Denny Zoult</u>	TITLE: <u>Enviro/Engr</u>	DATE: <u>1/06/04</u>
APPROVED BY: <u>R. G. Kelly</u>	TITLE: <u>geologist</u>	DATE: <u>1-6-4</u>

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# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

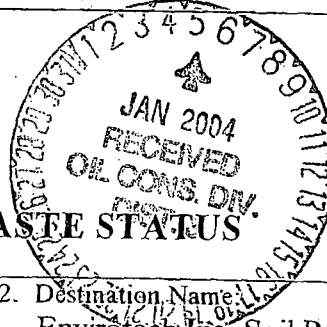
-069

**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 Highway 64 Farmington, NM 87401	2. Destination Name Envirotech Inc. Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan 32-7 #44 Unit N, Sec. 22, T32N, R7W San Juan County, NM attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): API # 30-045-21329 1150' FSL & 1800' FWL
4. Source and Description of Waste 5 cy tank bottoms from flowback tank (sand, frac fluids)	

Monica D. Olson

Print Name

representative for :

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

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

Signature (Original Signature): Monica D. Olson

Title: HSE & Regulatory Technician

Date: 1-2-04