

**NM1-10-A**

**C-138**

**Date: 1997**

**Tierra Land Farm**

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505

(505) 827-7131

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97003 ~~96003~~

1. RCRA Exempt: <u>yes</u> Non-Exempt: <u>DATE: 2-19-97</u>	4. Generator <u>Sunco Disposal</u>
Verbal Approval Received: <u>(Yes)</u> No By: <u>Denny Foust</u>	
2. Management Facility Destination <u>TERRA Environmental</u>	5. Originating Site <u>Crouch Mesa Disposal</u>
3. Address of Facility Operator <u>420 CL 3100 Aztec NM 87410</u>	6. Transporter <u>Sunco Trucking</u>
7. Location of Material (Street Address or ULSTR) <u>S-2-T-29-R 12W</u>	8. State <u>NM</u>

## 9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Solids collected from water injection operations prior to the class F permitRECEIVED  
FEB 21 1997OIL CON. DIV.  
DIST. 3Estimated Volume \_\_\_\_\_ yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 2-19-97TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/21/97APPROVED BY Ernie Bruch TITLE Geologist DATE 2/24/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-2T-29R-12 1/4 NW 1/4 W County S.J. State N.M.  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Solids Removed from water storage pits  
Solids generated prior to receiving Class I Permit  
Mr. Talovich

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Michael Talovich representative  
for Sanco Trucking / Disposal

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since 1-96

Signature M. Talovich  
Printed Name MICHAEL TALOVICH  
Title DISPOSAL MGR  
Date 2-19-97

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-1  
Original in file

Submit Orig  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96033

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 12.31.96 Verbal Approval Received: (Yes) No By: D. Foust	4. Generator Conoco Gas Plant
2. Management Facility Destination Tierra Environmental Company Inc Landfarm	5. Originating Site #61 CR 4920 Conoco Plant
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) SAN JUAN county #61 CR 4920 Bloomfield NM 87413	8. State NM

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: Scrubber waste From Gas Plant  
(Gas Treat 102)

Held C-138 for reproducible  
certificate of waste

RECEIVED  
JAN 10 1997  
OIL CON. DIV.  
BENT. 3

No record  
mis-filed

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE \_\_\_\_\_

TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/31/97

APPROVED BY Eric B. Bursell TITLE Geologist DATE 1/31/97



## TIERRA ENVIRONMENTAL COMPANY Inc.

429 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-9024 FAX (505) 334-9024

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-\_\_\_ T-\_\_\_ R-\_\_\_ 1/4-\_\_\_ 1/4-\_\_\_ County\_\_\_ State\_\_\_  
Physical Address if appropriate: 61 Curry Rd 4720, Plainfield, NM 87413

## Source and description of waste:

Gas Treat 102. It is used to purify gas stream by removing CO<sub>2</sub> and trace amounts of H<sub>2</sub>S.

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Chris Hansen (Env. Engineer) representative  
for Conoco Inc. San Juan Gas Plant

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

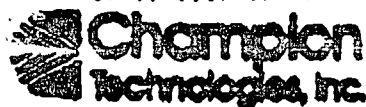
- ☒ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_.

Signature Chris Hansen  
Printed Name Chris Hansen  
Title Environmental Engineer  
Date 8/13/96

Post-it brand fax transmittal memo 7871		# of pages = 1
To <u>Lew-5</u>	From <u>Ferra (Terra)</u>	
On <u>Conoco</u>	On	
Date	Phone # <u>334-9859</u>	
Fax # <u>632-4930</u>	Fax # <u>334-9024</u>	

627-9907



## GAS TREAT 100

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Shut off ignition sources. No flames, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapor. It may not prevent ignition in closed areas. Take up spill with sand or other noncombustible absorbent material and place in containers for later disposal. ALWAYS WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN ADDRESSING SPILL OR LEAK. FLUSH SPILL AREA WITH PLENTY OF WATER.

## WASTE DISPOSAL METHOD:

Contact an EPA or State Approved Disposal Facility.

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify type): NONE REQUIRED UNDER NORMAL CONDITIONS

Ventilation: Local Exhaust: Recommended General Exhaust: Recommended

Special: USE SCBA WHEN ENTERING TANKS

Protective Gloves: Chemically Resistant / Non-Slip

Eye Protection: Chemical Safety Goggles / Safety Glasses

Other Protective Clothing or Equipment: Coveralls, Splash Aprons, Eye Wash, and Safety Shower

Work/Hygiene Practices: Clean up Spills Promptly, Wash Contaminated Clothing.

## SECTION 9 - SHIPPING DATA

Champion Label No. 45

Hazard Classification:

6.1

UN/NA No.:

UN 3139

Labels Required:

OXIDIZER

DOT ER Guide No.:

45

Proper Shipping Name/Description:

OXIDIZING SUBSTANCES, LIQUID, N.O.S., 5.1, UN 3139, PG II  
(SODIUM NITRITE)

PG in lbs. PG in gallons

250

32

pH:

8.8-9.3

Flash Point, F:

NONE

Pkg. Group:

II

IMDG Pg.No.:

5163

This information is based on data believed by Champion Technologies, Inc. to be accurate, but no warranty, express or implied is made.



## A35 TREAT 102

-----  
SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)  
-----

Chemical Stability: STABLE

Conditions To Avoid: OPEN FLAMES

Incompatibility (materials to avoid): ORGANICS, AMMONIUM SALTS, REDUCING AGENTS, WOOD

Hazardous Decomposition/Byproducts: OXIDES OF CARBON &amp; NITROGEN

Hazardous Polymerization: WILL NOT OCCUR

Hazard Rating Scale: HEALTH: 2 FIRE: 0 REACTIVITY: 0

(4=severe, 3=serious, 2=moderate, 1=light, 0=minimal)

-----  
SECTION 6 - HEALTH HAZARDS  
-----

## PRIMARY ROUTES OF ENTRY

Inhalation: X Absorption: X Ingestion: X Injection: NA

## HEALTH HAZARDS:

Human health effects of overexposure to this product by skin or eye contact may include skin irritation with discomfort or rash; or eye irritation with discomfort, tearing, or blurring of vision. Inhalation or ingestion may cause low blood pressure with headache, fainting, nausea, or weakness. This product can react with certain amines to form nitrosamines which may cause cancer, mutations, or other toxicity.

## EMERGENCY &amp; FIRST AID PROCEDURES:

In case of EYE contact, immediately flush eyes with running water and continue washing for at least 15 minutes. In case of INGESTION, give 2 glasses of water and induce vomiting. Obtain medical attention without delay. In case of SKIN contact, remove contaminated clothing and wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-wearing. In case of INHALATION, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen may be given by qualified personnel.

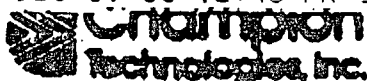
IF CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

Carcinogenicity? NO

NTP? ND

IARC Monograph? ND

OSHA Regulated? NO



## MATERIAL SAFETY DATA SHEET

## GAS TREAT 102

## SECTION 1 - IDENTIFICATION

IBM 40088

Champion Technologies, Inc.  
 3130 FM 521 Fresno, TX 77545  
 P.O. BOX 450499 Houston, TX 77245

## EMERGENCY TELEPHONE NUMBERS

1-713-431-3561  
 1-800-424-9300 (CHEMTREC)

Trade Name: GAS TREAT 102

Chemical Family: INORGANIC SALTS

CAS No.: PROPRIETARY

Prepared: 10/05/94

Prepared by: J. Schernick

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component	CAS No.	Wt. %	OSHA (PEL)
SODIUM NITRITE	7532-00-0	40	ND

1 Denotes a chemical subject to the reporting requirements of SARA Title III section 312 of 1986 and 40 CFR part 312.

SARA Title III Hazard Categories:

1, 3

\*Nitrites can react with certain amines to form Nitrosamines\* (SEE HEALTH)

## SECTION 3 - PHYSICAL &amp; CHEMICAL CHARACTERISTICS

Boiling Point, F:	ND	Specific Gravity (H2O=1):	1.25-1.35
Vapor Pressure (mm Hg):	ND	Evaporation Rate:	ND
Vapor Density (Air=1):	ND	(butyl acetate)	
pH:	8-9.3	Viscosity:	8 CPS
Solubility in Water:	SOLUBLE		
Appearance and Odor:	DARK BLUE LIQUID WITH MILD ODOR		

## SECTION 4 - FIRE &amp; EXPLOSION DATA

Flash Point, F & Method	Flammable Limits:	LEL, % ND	UEL, % ND
NONE PMCC	Based on: NA		

## FIRE HAZARDS:

This material may burn, but does not readily ignite. Product would be a fire hazard only if dried to a powder by boiling off water.

## EXTINGUISHING MEDIA:

Flood fire area with water; do not use dry chemical, CO2 or Halon. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of containers.

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Form C-1  
Submit Orig  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97017 96007

1. RCRA Exempt: yes Non-Exempt: DATE: 2-3-97  
Verbal Approval Received: (Yes) No By: Denny Foust

4. Generator  
Basin Disposal

2. Management Facility Destination  
Tierra Environmental Landfarm Facility - Crown Mesa

5. Originating Site  
#6 CR 5046 UNIT E9-1

3. Address of Facility Operator  
421 CR 3100 Aztec NM 87410

6. Transporter  
Harvey Johnson Enterprises

7. Location of Material (Street Address or ULSTR)  
#6 CR 5046 Bloomfield NM S-3, T-29N, R-11W SAN Juan

8. State  
New Mexico

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids mixed with soil from waste water injection operations  
(No Recoverable hydrocarbons)

RECEIVED  
FEB - 5 1997  
OIL CON. DIV.

I had no record  
mts filed

Estimated Volume 400 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 2-3-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY m G. [unclear] TITLE Geologist DATE 2/5/97  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 2-5-97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S- 3 T- 24N R- 11W 1/4 1/4 County SJ State NM  
Physical Address if appropriate: #6 CR 5046 Bloomfield NM

Source and description of waste:

solids mixed with soil from waste water injection  
operations

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I TED HAMMONDS representative  
for Basin Disposal

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since

Signature TED HAMMONDS  
Printed Name TED HAMMONDS  
Title HSST. DIR.  
Date 2-3-97

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-1  
Originated 4/18/90  
Submit Orig  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97003 9600E

1. RCRA Exempt: <u>yes</u> Non-Exempt: <u>DATE: 2-19-97</u> Verbal Approval Received: <u>(Yes)</u> No By: <u>Denny Faust</u>	4. Generator <u>Sunco Disposal</u>
2. Management Facility Destination <u>Tierra Environmental</u>	5. Originating Site <u>Crouch Mesa Disposal</u>
3. Address of Facility Operator <u>470 CE 3100 Aztec NM 87410</u>	6. Transporter <u>Sunco Trucking</u>
7. Location of Material (Street Address or ULSTR) <u>S-2-T-29-R 12W</u>	8. State <u>NM</u>

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids collected from water injection operations prior to the class F permit

RECEIVED  
FEB 21 1997  
OIL CON. DIV.  
DIST. 3

no record  
misfiled

Estimated Volume \_\_\_\_\_ yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 2-19-97  
TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 2/21/97  
APPROVED BY Emilio Basch TITLE Geologist DATE 2/24/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S- 2 T- 29 R- 12 1/4 NW 1/4 County S.J. State N.M.  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Solids Removed From Water Storage Pits  
Solids generated prior to Receiving Class I Permit  
LM. Talon

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Michael Talon representative  
for San Juan Trucking / Disposal

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since 1-96

Signature M. Talon  
Printed Name MICHAEL TALOVICH  
Title DISPOSAL MGR  
Date 2-19-97



New Mexico

Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Submit Original  
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97057

1. RCRA Exempt: ☒ Non-Exempt: DATE: 12-15-97

Verbal Approval Received: ☒ Yes No By: D. Foust

2. Management Facility Destination

TIERRA ENVIRONMENTAL Co.-Inc. LANDFARM

3. Address of Facility Operator

420 CE 3100 Aztec NM 87410

7. Location of Material (Street Address or ULSTR)

SW SE Sec 16 T 32N R 17W

4. Generator

NORTHLAND Royalty

5. Originating Site

Philma Ute #1

6. Transporter

Foutz Const.

8. State

Colorado

9. Check One

☒ All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.

☐ All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

MATERIAL FROM separate pit  
AND TANK bottoms

RECEIVED  
DEC 30 1997

OIL CON. DIV.

Estimated Volume DIST. 20 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Env. Specialist DATE 12-15-97

TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 12/30/97

APPROVED BY Johnny Robinson TITLE Deputy Oil & Gas Inspector DATE 12-31-97

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> North Land Royalty 3030 4th Ave North Billings, Montana 59101	<b>2. Destination Name:</b> Terra Environmental Company Inc
<b>3. Generating Site (name):</b> well No Phikmo Ute #1 <small>Attach list of originating sites as appropriate</small>	
<b>Location of the Waste (Street address &amp;/or USTR):</b> SW 06 Sec 16 32N 17W Montezuma Co. Colorado	
<b>4. Source and Description of Waste</b> Material From generator PIT Oily Dirt Pull Tank Bottoms	

I, Lowell Larson (Print Name) representative for: Triad Western Constructors 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 characteristics 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 only the following documentation is attached (check appropriate items):

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

Name (Original Signature): Lowell Larson

Title: SUPERVISOR

Date: 12-16-97

P.O. Box 1940  
Hobbs, NM 88241-1980

DISTRICT II (505) 748-1283

811 S. First  
Artesia, NM 88210

DISTRICT III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

DISTRICT IV (505) 827-7131

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97051 ~~97051~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 12-15-97	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes No By: D. Foust	Northern Royalty
2. Management Facility Destination	5. Originating Site
Tierra Environmental Co Inc LANDFARM	UT 1-21
3. Address of Facility Operator	6. Transporter
420 CR 3100 Aztec NM 87410	Foutz CONST.
7. Location of Material (Street Address or ULSTR)	8. State
NW NE Sec 21 T32N R 17W	Colorado

## 9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

MATERIAL From Separator pit

Estimated Volume 20 yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>SIGNATURE B. Williams TITLE Env. Specialist DATE 12-15-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Dennis G. Foutz TITLE Geologist DATE 12/30/97  
APPROVED BY Johnny Robinson TITLE Deputy Oil Gas Inspector DATE 12-31-97

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Northland Royalty 3030 4TH AVE NO Billings Montana 59101	2. Destination Name: Tierra Environmental Company Inc
3. Originating Site (name): well No. Ute 1-21	Location of the Waste (Street address &/or ULSTR): NW NE Sec 21 32N 17W Montezuma County Colorado
Attach list of additional sites as appropriate	
4. Source and Description of Waste <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>Material From Separator PIT</span> <span>OILY DIRT</span> </div>	

I, Lowell Larson (Print Name) \_\_\_\_\_ representative for: Triad Western Constructors  
 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** offsite waste      ☐ **NON-EXEMPT** offsite 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 only the following documentation is attached (check appropriate items).

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

Name (Original Signature): Lowell Larson

Title: Superintendent

Date: 12-15-97

## TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

---

CERTIFICATE FROM OUT OF STATE AGENCY  
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE  
TO THE TIERRA CROUCH MESA LANDFARM LOCATED  
IN SAN JUAN COUNTY, NEW MEXICO

I have reviewed the enclosed information concerning RCRA exempt material generated at;  
Location: Well No. Philmo Ute 1 SWNE Sec. 16-32N-17W Montezuma County, CO.  
and Well No. Ute 1-21 NWE Sec. 21-32N-17W Montezuma County, CO.  
by;  
Generator: NORTHLAND ROYALTY 3030 4th Avenue North  
Billings, Montana 59101

As a representative of;

Regulatory  
Agency: BUREAU OF LAND MANAGEMENT, San Juan Resource Area  
201 Camino del Rio, Durango, CO. 81301/Phone: (970) 247-4874

I have no objection to the material being moved from our jurisdiction to the Tierra Crouch Mesa  
Landfarm located at 420 County Road 3100, San Juan County, New Mexico.

Name: [Signature] Title: Minerals Staff Chief  
Signature: [Signature] Date: 12/15/97  
Phone: (970) 247-4874 Fax: (970) 385-1375

Form 101 (505) 334-8891  
P.O. Box 1940  
Alameda, NM 88211-1990  
District II (505) 748-1283  
811 S. First  
Alameda, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Alameda, NM 87410  
District IV (505) 827-7131

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

RECEIVED

DEC 09 1997

Submit (Or  
Plus 1 Copy  
to appropriate  
District (Or

Environmental Bureau  
Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97054

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 12-3-97	4. Generator
Verbal Approval Received: Yes No <input checked="" type="checkbox"/> By:	Burlington Resources
2. Management Facility Destination TERRA Environmental Landfarm CROUCH MESA	5. Originating Site Pipeline Right of way
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) NW NE S-24 - T30N - R9W	8. State New Mexico

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED  
DEC - 3 1997  
OIL CON. DIV.  
DIST. 3

Diesel contaminates soil from  
spills/leaks during pipeline  
construction

Estimated Volume 15 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Project Manager DATE 12-3-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8891

(This space for State Use)

APPROVED BY Dennis G. Fout TITLE Geologist DATE 12/3/97  
APPROVED BY Martha J. Kelly TITLE Env. Geologist DATE 12/9/97

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Submit Or  
Plus 1 Cor  
to appro  
District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97054

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 12-3-97	4. Generator
Verbal Approval Received: Yes No <input checked="" type="checkbox"/> By:	Burlington Resources
2. Management Facility Destination	5. Originating Site
TIERRA Environmental LANDFARM CROUCH MESA	PIPELINE Right of way
3. Address of Facility Operator	6. Transporter
420 CR 3100 AZTEC NM 87410	
7. Location of Material (Street Address or ULSTR)	8. State
NW NE S-24 - T30N - R9W	NEW MEXICO

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED  
DEC - 3 1997  
OIL CON. DIV.  
DIST. 3

Diesel contaminates soil from  
spills/leaks during pipeline  
construction

Estimated Volume 15 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Project Manager DATE 12-3-97  
TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 12/3/97  
APPROVED BY TITLE DATE

-326-9725 DEC 02 '97 11:17 No.002 P.02

# CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b>  BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402	<b>2. Destination Name:</b>  Ticrra Landfarm
<b>3. Originating Site (name):</b>  Pipeline Right of Way  <small>Attach list of originating sites as appropriate.</small>	<b>Location of the Waste (Street address &amp;/or ULSTR):</b>  NW NE Section 24 - T30N - R9W San Juan County, NM
<b>4. Source and Description of Waste:</b>  Diesel contaminated soil. Soil from cleanup of various small diesel spills/leaks during pipeline construction.	

I, Ed Hasely representative for:

BURLINGTON 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

☒ 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 only the following documentation is attached (check appropriate items):

☒ X MSDS Information  
RCRA Hazardous Waste Analysis  
Chain of Custody

Other (description):

Name (Original Signature):

*E. Hasely*

Title:

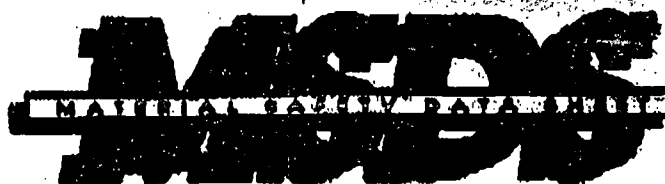
SR STAFF ENVIRONMENTAL REPRESENTATIVE

Date:

December 2, 1997

**RECEIVED**  
DEC - 3 1997  
**OIL CON. DIV.**  
DIST. 3





Conoco Inc.

GASC0220

Revised 14-Aug-91

Printed 07-Jan-92

## No. 2 Diesel Fuel

### MATERIAL IDENTIFICATION

Manufacturer/Distributor	Conoco Inc. P.O. Box 2197 Houston, TX 77252	
Phone Numbers	General Information Transport Emergency Medical Emergency	1-(713)293-5550 1-(800)424-9300 1-(800)441-3837
Trade Names and Synonyms	Diesel Fuel, No. 2 Diesel Fuel LC Diesel Fuel LS, No. 2 3502, 3503, 3504, 3508, 3510, 3542	
CAS Number	68476-34-6	
NFPA Ratings	Health: Flammability: Reactivity:	0 2 0
NPCA-HMIS Ratings	Health: Flammability: Reactivity: Personal Protection rating to be supplied by user depending on use conditions.	1 2 0
WHMIS Classification	CLASS B Division 3 : Combustible Liquid CLASS D Division 2 Subdivision B : Toxic Material. Chronic Toxic Effects.	

### OSHA HAZARD DETERMINATION

Hazardous Ingredients	CAS Number	Percent
Diesel Fuel, No. 2	68476-34-6	100

(continued)

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OIL CON. DIV.  
DIST. 3

## PHYSICAL DATA

Boiling Point	350 to 680°F
Vapor Pressure	1 mm Hg at 68°F
Vapor Density	>1 (Air = 1.0)
% Volatiles	(by volume) Nil
Water Solubility	Insoluble
Odor	Aromatic
Form	Liquid
Color	Clear or light yellow
Specific Gravity	0.85-0.93 (Water = 1)

## HAZARDOUS REACTIVITY

Instability	Stable.
Incompatibility	Incompatible with oxidizing materials. Avoid heat and flame.
Decomposition	Incomplete combustion may produce carbon monoxide.
Polymerization	Polymerization will not occur.

## FIRE AND EXPLOSION DATA

Flash Point	130°F
Method	TCC
Flammable Limits in Air, % by Volume	LEL 0.4 UEL 8
Autoignition	494°F
Fire and Explosion Hazards	Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back. Class II Combustible Liquid (NFPA).
Extinguishing Media	Water Spray, Foam, Dry Chemical, CO2.
Special Fire Fighting Instructions	Special Fire Fighting Procedures: Use water to keep fire-exposed containers cool. If leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures.  Unusual Fire and Explosion Hazards: 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.

(continued)

**HEALTH HAZARD INFORMATION****Acute Toxicity Test Data**Inhalation  
Skin  
OralNo Information Available.  
Extremely irritating; no mortality at 5 ml/kg in rabbits  
LD50 at 9 ml/kg in rats**Primary Routes of Exposure/Entry:** Skin. Inhalation.**Signs and Symptoms of Exposure/Medical Conditions****Aggravated by Exposure:**

It is highly unlikely that human exposure at or below the recommended exposure level poses a significant health hazard. In this regard, good workplace practices and proper engineering designs will minimize exposure. Animal studies show that prolonged or repeated inhalation exposure to high concentrations of some petroleum distillates has caused liver tumors in mice and adverse kidney effects in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Also, human studies do not indicate this peculiar sensitivity for kidney damage. The significance of liver tumors in mice is highly speculative and not a good indicator for predicting a potential human health hazard.

Mouse skin painting studies have shown that petroleum middle distillates (boiling range of 100-700 deg F; naphtha, jet fuel, diesel fuel, kerosene, etc.) can cause skin cancer when repeatedly applied and never washed from the animal's skin. The relative significance of this to human health is uncertain since the petroleum distillates were not washed from the skin and resulting skin effects (irritation, cell damage, etc.) may play a role in the tumorigenic response. A few studies have shown that washing the animal's skin with soap and water between treatments greatly reduces the carcinogenic effect of some petroleum oils.

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lung and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.

The product contains petroleum hydrocarbons, and as with many petroleum products, it may cause irritation to the eyes, lungs or skin after prolonged or repeated exposure. Extreme exposure or aspiration into the lungs may cause pneumonia. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness and other nervous system effects; greater exposure may cause dizziness, slurred speech, flushed face, unconsciousness or convulsions.

Carbon monoxide is a gas that can result from incomplete combustion of hydrocarbons, from detoxification of some chemicals like methylene chloride, tobacco smoke, and even from natural body processes. Carbon monoxide binds tightly to hemoglobin and interferes with oxygen transport to body tissues. Overexposure can cause headache, nausea, nervous system depression, coma, and death.

(continued)

## HEALTH HAZARD INFORMATION (continued)

<b>Carcinogenicity</b>	None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.
<b>Exposure Limits</b> No. 2 Diesel Fuel TLV (ACGIH) PEL (OSHA)	None Established None Established
<b>Safety Precautions</b>	Wash thoroughly after handling. Wash clothing after use.

## FIRST AID

<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
<b>Skin Contact</b>	Flush skin with water after contact. Wash contaminated clothing before reuse.
<b>Eye Contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.
<b>Notes to Physician</b>	Activated charcoal slurry may be administered. To prepare activated charcoal slurry, suspend 50 grams activated charcoal in 400mL water and mix thoroughly. Administer 5mL/kg, or 350mL for an average adult.

## PROTECTION INFORMATION

### Generally Applicable Control Measures and Precautions

Use only with adequate ventilation. Keep away from heat, sparks and flames. Keep container tightly closed. Ground container when pouring.

### Personal Protective Equipment

**Respiratory Protection:** Select appropriate NIOSH-approved respiratory protection when needed to avoid inhalation of mist or vapors and to maintain exposures below acceptable limits.

**Protective Gloves:** Impervious gloves, such as neoprene or NBR, should be worn when the potential exists for prolonged or repeated skin exposure.

**Eye Protection:** Chemical goggles required when exposed to spray or mist or if splashing is probable.

**Other Protective Equipment:** Coveralls if splashing is probable. Launder contaminated clothing before reuse.

(continued)

## SPILL, LEAK AND DISPOSAL INFORMATION

### Spill, Leak, or Release

NOTE: Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Remove source of heat, sparks, flame, impact, friction or electricity, including internal combustion engines and power tools. If equipment is used for spill cleanup, it must be explosion-proof and suitable for flammable liquid and vapors.

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

### Waste Disposal

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

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

## SHIPPING INFORMATION

### DOT

Proper Shipping Name	Diesel fuel or fuel oil
Hazard Class	Combustible liquid
UN/NA No.	NA 1603
DOT Label(s)	None
DOT Placard	Combustible

### IATA/IMO

Proper Shipping Name	Gas Oil
Hazard Class	3 (IMO 3.3)
UN No.	UN 1202
IMO/CAO Label	Flammable liquid
Special Information	Not restricted over 140 deg F
Packaging Group	III

### TDG

Proper Shipping Name	Gas Oil
UN No.	UN 1202
TDG Class	3.3

TDG: If flash is >100 deg F, then not regulated.

(continued)

**STORAGE CONDITIONS**

Store in well ventilated area. Keep container tightly closed. Store in accordance with National Fire Protection Assn regulations.

**TITLE III HAZARD CLASSIFICATIONS**

• Acute	Yes
Chronic	Yes
Fire	Yes
Reactivity	No
Pressure	No

**REGULATORY INFORMATION****OSHA HAZARD DETERMINATION**

The material is hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

**EPA DETERMINATIONS**

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, & LIABILITY ACT (CERCLA/SUPERFUND), 40 CFR 302  
Not Applicable

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986,  
TITLE III (SARA) - SECTION 302, 304, 313

**Section 302/304 - Extremely Hazardous Substances  
(40 CFR 355)**

The material is not known to contain extremely hazardous substances at greater than 1.0% concentration; however, it is possible that this material may contain extremely hazardous substances at a lower concentration so that a large enough spill could warrant an Emergency Release Report under Section 304.

**Section 313 - List of Toxic Chemicals (40 CFR 372)**

The 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.

**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

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

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261,  
SUBPART C AND D**

The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive,

(continued)

## REGULATORY INFORMATION (continued)

ignitable or reactive according to U.S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations 40 CFR 262-266 and 268 may apply.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT,  
40 CFR 116.4A, Section 311

The material contains the following ingredient(s) which is considered hazardous if spilled in navigable waters.

Ingredient	Reportable Quantity
Petroleum Hydrocarbon	Film or sheen upon or discoloration of the water surface or adjoining shoreline

## FOREIGN REGULATIONS

CANADIAN HAZARDOUS PRODUCTS ACT (WHMIS)

WHMIS classes : B3, D2B  
Emergency Medical Information : 1-613-348-9616  
Transportation Emergency Number : 1-613-348-9616

## STATE REGULATIONS

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT  
OF 1986 ("PROPOSITION 65")

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

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT

This material contains the following ingredient(s) subject to the Pennsylvania Worker and Community Right to Know Act Hazardous Substances List:

Ingredient	: Diesel Fuel Oil
CAS Registry Number	: 68476-34-6
Category	: Hazardous Substance

Non-hazardous ingredient(s) information is withheld as trade secret in accordance with Section 11 of Pennsylvania Worker and Community Right to Know Act.

## ADDITIONAL INFORMATION AND REFERENCES

Product Use : Motor Fuel

The above data are based on tests, experience, and other information which Conoco believes reliable and are supplied for informational purposes only. However, some ingredients may have been purchased or obtained from third-party manufacturers. In these instances, Conoco, in good faith, relies on information provided by those third parties. Since conditions of use are outside our control, CONOCO DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM USE OF THE ABOVE DATA. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM

(continued)

**LIABILITY BY CONOCO WITH RESPECT TO THE DATA, THE MATERIAL DESCRIBED, OR ITS USE  
FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO CONOCO.**

**Responsibility for MSDS:**

**MSDS Administrator  
Conoco Inc.  
PO Box 2197  
Houston, TX 77252  
713/293-6550**

**End of MSDS**



District I (505) 334-4101  
P.O. Box 1940  
Hobbs, NM 88211-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Urazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

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DEC 03 1997

Environmental Bureau  
Oil Conservation Division

Submit Orig  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 12-1-97 Verbal Approval Received: Yes No <input checked="" type="checkbox"/> By:	4. Generator Four Corners Air Drill
2. Management Facility Destination TIERRA Environmental LANDFARM CROUCH MESA	5. Originating Site 114 N Cochiti Four Corner YARD Farm.
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) 114 N. COCHITI FARMINGTON NM	8. State NEW MEXICO

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soil impacted with hydrocarbons that was  
Accumulated From YEARS OF Equipment  
MAINTENANCE.

RECEIVED  
DEC - 1 1997

OIL CON. DIV.

Estimated Volume 20 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 20 yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 12-1-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Wesley G. Foust TITLE Geologist DATE 12/1/97  
APPROVED BY Martyn J. Kelly TITLE Env. Geologist DATE 12/3/97

District I (505) 334-6181

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283

811 S. First  
Artesia, NM 88210

District III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Form C-1

(Revised 4/18/88)

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

9600

1. RCRA Exempt: Non-Exempt: ☒ DATE: 12-1-97

Verbal Approval Received: Yes No ☒ By:

4. Generator

Four Corners Air Driv

2. Management Facility Destination

TIERIA Environmental LANDFARM CROUCH MESA

5. Originating Site

114 N. Cochiti  
Four Corner YARD Farm.

3. Address of Facility Operator

470 CR 3100 Aztec NM 87410

6. Transporter

7. Location of Material (Street Address or ULSTR)

114 N. COCHITI FARMINGTON NM

8. State

NEW MEXICO

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soil impacted with hydrocarbons that was  
Accumulated From YEARS OF Equipment  
MAINTENANCE.

RECEIVED  
DEC - 1 1997

OIL CON. DIV.

Estimated Volume 20 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE \_\_\_\_\_

TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. 505) 334-8894

(This space for State Use)

APPROVED BY Dennis G. Hunt TITLE Geologist DATE 12/1/97

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> FOUR CORNERS AIR SERVICE 114 N. COCHITI FARMINGTON, NEW MEXICO 87401	<b>2. Destination Name:</b> TIERRA LANDFILL
<b>3. Originating Site (name):</b> FOUR CORNERS AIR SERVICE 114 N. COCHITI FARMINGTON, NEW MEXICO 87401	
<b>Location of the Waste (Street address &amp;/or ULSTR):</b>  <small>Attach list of originating sites as appropriate</small>	
<b>4. Source and Description of Waste</b> Source from years of oil field equipment maintenance in yard. Soil impacted with petroleum hydrocarbons Approximately 20 yards	

I, JOHN E. CASEY representative for:  
(Print Name)

BASIN ENGINEERING, INC. on behalf of Four Corners Air 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 only the following documentation is attached (check appropriate item):

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

☒ Other (description): TCLP  
 BTX  
 TPH - DRO

Name (Original Signature): John E. Casey

Title: President

Date: 11-24-97



Certificate of Analysis No. 9710171-04

## FARMINGTON LABORATORY

P.O. BOX 1289

FARMINGTON, NEW MEXICO 87499-1289

PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 10/31/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: A3-S1

Project No: 9726-01  
Matrix: Soil  
Date Sampled: 10/30/97  
Date Received: 10/30/97

## Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	1.2	1.0	µg/Kg
Total Xylene	2.5	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	3.7		µg/Kg

## Surrogate

## % Recovery

1,4-Difluorobenzene  
4-Bromofluorobenzene  
Method 8020

100  
50

Analyzed by: VHZ  
Date: 11/12/97

Total Petroleum Hydrocarbons-Diesel

5.0

4.0

mg/kg

## Surrogate

## % Recovery

n-Pentacosane  
Method Modified 8015A\*\*\* for Diesel

84

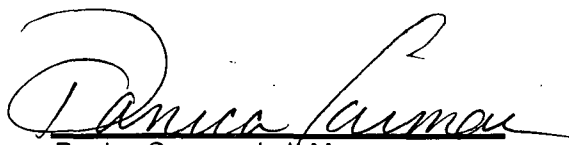
Analyzed by: RR  
Date: 11/08/97

ND - Not Detected

MI - Matrix Interference

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA  
\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.  
\*\*\*Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



® Certificate of Analysis No. 9710171-02

**FARMINGTON LABORATORY**

P.O. BOX 1289

FARMINGTON, NEW MEXICO 87499-1289

PHONE (505) 326-2588

Basin Engineering, Inc.

PO Box 389

Farmington, NM 87499

Attn: Tracy Watson

Date: 10/31/97

Project: Four Corners Air Service

Project No: 9726-01

Site: Cochiti 114N

Matrix: Soil

Sampled By: T. Watson

Date Sampled: 10/30/97

Sample ID: A2-S1

Date Received: 10/30/97

**Analytical Data**

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	1.3	1.0	µg/Kg
Total Xylene	3.7	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	5.0		µg/Kg

**Surrogate**

**% Recovery**

1,4-Difluorobenzene

100

4-Bromofluorobenzene

47MI

Method 8020

Analyzed by: VHZ

Date: 11/12/97

Total Petroleum Hydrocarbons-Diesel

4.0

4.0

mg/kg

**Surrogate**

**% Recovery**

n-Pentacosane

90

Method Modified 8015A\*\*\* for Diesel

Analyzed by: RR

Date: 11/08/97

ND - Not Detected

MI - Matrix Interference

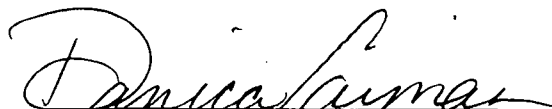
Notes:

\*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

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

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



® Certificate of Analysis No. 9710171-03

**FARMINGTON LABORATORY**

P.O. BOX 1289  
FARMINGTON, NEW MEXICO 87499-1289  
PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 10/31/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: A2-S2

Project No: 9726-01  
Matrix: Soil  
Date Sampled: 10/30/97  
Date Received: 10/30/97

**Analytical Data**

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	1.3	1.0	µg/Kg
Total Xylene	2.5	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	3.8		µg/Kg

**Surrogate**

**% Recovery**

1,4-Difluorobenzene  
4-Bromofluorobenzene  
Method 8020  
Analyzed by: VHZ  
Date: 11/12/97

100  
53

Total Petroleum Hydrocarbons-Diesel

ND

4.0

mg/kg

**Surrogate**

**% Recovery**

n-Pentacosane  
Method Modified 8015A\*\*\* for Diesel  
Analyzed by: RR  
Date: 11/08/97

92

ND - Not Detected

MI - Matrix Interference

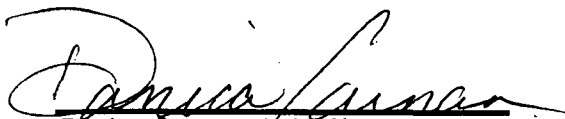
Notes:

\*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

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

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



® Certificate of Analysis No. 9711019-01

FARMINGTON LABORATORY  
P.O. BOX 1289  
FARMINGTON, NEW MEXICO 87499-1289  
PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM  
Attn: Tracy Watson

Date: 11/14/97

Project: Four Corners Air Drill  
Site: Farmington, NM  
Sampled By: T. Watson  
Sample ID: A1S1

Project No: 972601  
Matrix: Soil  
Date Sampled: 10/30/97  
Date Received: 11/04/97

#### Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	ND	1.0	µg/Kg
Total Xylene	ND	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	ND		µg/Kg

#### Surrogate

#### % Recovery

1,4-Difluorobenzene  
4-Bromofluorobenzene

103  
100

Method 5030/8020

Analyzed by: FAB

Date: 11/13/97

Total Petroleum Hydrocarbons-Diesel

4.2

4.0

mg/Kg

#### Surrogate

#### % Recovery

n-Pentacosane

88

Method Modified 8015A for Diesel

Analyzed by: RR

Date: 11/08/97

ND-Not detected

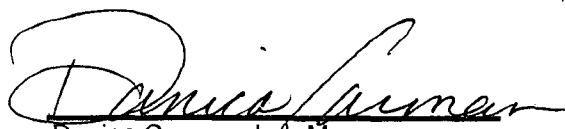
#### Notes:

\*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA

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

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

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



Certificate of Analysis No. 9711019-02

FARMINGTON LABORATORY

P.O. BOX 1289

FARMINGTON, NEW MEXICO 87499-1289

PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM  
Attn: Tracy Watson

Date: 11/14/97

Project: Four Corners Air Drill  
Site: Farmington, NM  
Sampled By: T. Watson  
Sample ID: A4S1

Project No: 972601  
Matrix: Soil  
Date Sampled: 10/31/97  
Date Received: 11/04/97

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	1.0	µg/Kg
Toluene	ND	1.0	µg/Kg
Ethylbenzene	ND	1.0	µg/Kg
Total Xylene	ND	1.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	ND		µg/Kg

Surrogate  
1,4-Difluorobenzene  
4-Bromofluorobenzene  
Method 5030/8020  
Analyzed by: FAB  
Date: 11/13/97

% Recovery  
100  
93

Total Petroleum Hydrocarbons-Diesel 5.4 4.0 mg/Kg

Surrogate  
n-Pentacosane  
Method Modified 8015A for Diesel  
Analyzed by: RR  
Date: 11/08/97

% Recovery  
100

ND-Not detected

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA  
\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.  
\*\*\*Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with  
EPA guidelines for quality assurance.

Danica Carman, Lab Manager





Certificate of Analysis No. 9710171-02

FARMINGTON LABORATORY  
P.O. BOX 1289  
FARMINGTON, NEW MEXICO 87499-1289  
PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 11/24/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: Stock Pile

Project No: 9726-01  
Matrix: Soil  
Date Sampled: 11/17/97  
Date Received: 11/17/97

Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Benzene	ND	5.0	µg/Kg
Toluene	9.3	5.0	µg/Kg
Ethylbenzene	26	5.0	µg/Kg
Total Xylene	220	5.0	µg/Kg
Total Volatile Aromatic Hydrocarbons	255.3		µg/Kg

Surrogate

% Recovery

1,4-Difluorobenzene  
4-Bromofluorobenzene  
Method 8020

120  
180MI

Analyzed by: VHZ  
Date: 11/22/97

Total Petroleum Hydrocarbons-Diesel

4400

500

mg/kg

Surrogate

% Recovery

n-Pentacosane  
Method Modified 8015A\*\*\* for Diesel

D

Analyzed by: RR  
Date: 11/20/97

ND - Not Detected

MI - Matrix Interference

D-Diluted, limits not applicable

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA  
\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.  
\*\*\*Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with  
EPA guidelines for quality assurance.

Danica Carman, Lab Manager



Certificate of Analysis No. 9710171-02

## FARMINGTON LABORATORY

P.O. BOX 1289

FARMINGTON, NEW MEXICO 87499-1289

PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 11/24/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: Stock Pile

Project No: 9726-01  
Matrix: Soil  
Date Sampled: 11/17/97  
Date Received: 11/17/97

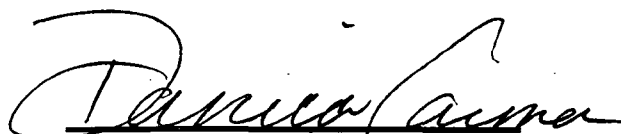
## Analytical Data

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Cyanide-Reactive Method 7.3.3.2*** Analyzed By: BEN Date: 11/19/97	ND	10	mg/kg
Flash and Fire Point-C.O.C. Method ASTM D92-85 Analyzed by:BA Date: 11/24/97	>210		°F
Soil pH Measure in Water Method 9045C*** Analyzed By: TW Date: 11/20/97	7.41		pH unit
Sulfide-Reactive Method 7.3.4.2*** Analyzed By: BEN Date: 11/19/97	ND	100	mg/kg

ND - Not Detected

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA  
\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.  
\*\*\*Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



Certificate of Analysis No. 9710171-01

FARMINGTON LABORATORY  
P.O. BOX 1289  
FARMINGTON, NEW MEXICO 87499-1289  
PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 11/14/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: Stock Pile

Project No: 9726-01  
Matrix: Leachate  
Date Sampled: 10/30/97  
Date Received: 10/30/97

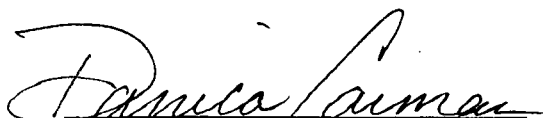
PARAMETER	Analytical Data RESULTS		PQL*	UNITS
Benzene	ND		50	µg/L
2-Butanone	ND		200	µg/L
Carbon Tetrachloride	ND		50	µg/L
Chlorobenzene	ND		50	µg/L
Chloroform	ND		50	µg/L
1,2-Dichloroethane	ND		50	µg/L
1,1-Dichloroethene	ND		50	µg/L
Tetrachloroethene	ND		50	µg/L
Trichloroethene	ND		50	µg/L
Vinyl Chloride	ND		100	µg/L
	<b>Amount</b>		<b>Lower</b>	<b>Upper</b>
<b>Surrogate</b>	<b>Spiked</b>	<b>% Recovery</b>	<b>Limit</b>	<b>Limit</b>
1,2-Dichloroethane-d4	50 µg/L	88	86	115
Toluene-d8	50 µg/L	86	76	114
4-Bromofluorobenzene	50 µg/L	100	88	110

Analyzed By: GT  
Leachate Prep (ZHE) By: WLR  
Method: 1311/8240, TCLP Volatiles  
Notes: \*-Practical Quantitation Limit

Date/Time: 11/05/97 19:02:00  
Date/Time: 11/04/97

ND-Not Detected

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



Certificate of Analysis No. 9710171-01

## FARMINGTON LABORATORY

P.O. BOX 1289

FARMINGTON, NEW MEXICO 87499-1289

PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 11/14/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: Stock Pile

Project No: 9726-01  
Matrix: Leachate  
Date Sampled: 10/30/97  
Date Received: 10/30/97

PARAMETER	Analytical Data		PQL*	UNITS
	RESULTS			
ortho-Cresol	ND		50	µg/L
meta, para-Cresols	ND		100	µg/L
1,4-Dichlorobenzene	ND		50	µg/L
2,4-Dinitrotoluene	ND		50	µg/L
Hexachlorobenzene	ND		50	µg/L
Hexachlorobutadiene	ND		50	µg/L
Hexachloroethane	ND		50	µg/L
Nitrobenzene	ND		50	µg/L
Pentachlorophenol	ND		250	µg/L
Pyridine	ND		50	µg/L
2,4,5-Trichlorophenol	ND		100	µg/L
2,4,6-Trichlorophenol	ND		50	µg/L

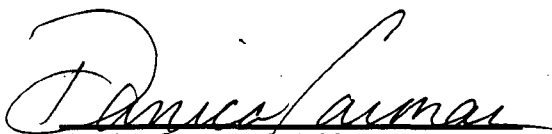
Surrogate	Amount		Lower Limit	Upper Limit
	Spiked	% Recovery		
Nitrobenzene-d5	50 µg/L	81	35	114
2-Fluorobiphenyl	50 µg/L	104	43	116
Terphenyl-d14	50 µg/L	74	33	141
Phenol-d5	75 µg/L	96	10	110
2-Fluorophenol	75 µg/L	71	21	110
2,4,6-Tribromophenol	75 µg/L	131	10	123

Analyzed By: LL  
Leachate Prep (ZHE) By: PC  
Method: 1311/8270, TCLP Semivolatiles  
Notes: \*-Practical Quantitation Limit

Date/Time: 11/06/97 15:16:00  
Date/Time: 11/05/97 8:00:00

ND-Not Detected

**QUALITY ASSURANCE:** These analyses are performed in accordance with EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager



Certificate of Analysis No. 9710171-01

FARMINGTON LABORATORY  
P.O. BOX 1289  
FARMINGTON, NEW MEXICO 87499-1289  
PHONE (505) 326-2588

Basin Engineering, Inc.  
PO Box 389  
Farmington, NM 87499  
Attn: Tracy Watson

Date: 11/14/97

Project: Four Corners Air Service  
Site: Cochiti 114N  
Sampled By: T. Watson  
Sample ID: Stock Pile

Project No: 9726-01  
Matrix: Leachate  
Date Sampled: 10/30/97  
Date Received: 10/30/97

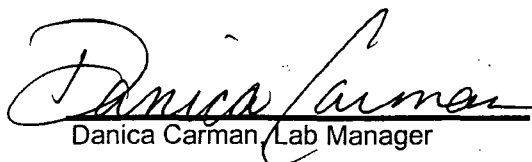
#### Analytical Data

PARAMETER	RESULTS	Detection Limit	UNITS
Silver	ND	0.02	mg/L
Arsenic	ND	0.2	mg/L
Barium	ND	1	mg/L
Cadmium	0.01	0.01	mg/L
Chromium	ND	0.02	mg/L
Lead	ND	0.1	mg/L
Selenium	ND	0.2	mg/L
Method 6010A ***			
Mercury	ND	0.0002	mg/L
Method 7470A ***			
Acid Digestion of TCLP Leachate, ICP	11/07/97		
Method 3010A ***			
TCLP Leachate Extraction	11/04/97		
Method 1311 ***			
Zero Headspace Extraction	11/04/97		
Method 1311			

ND-Not Detected

Notes: \*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA  
\*\*Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.  
\*\*\*Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

**QUALITY ASSURANCE:** These analyses are performed in accordance with  
EPA guidelines for quality assurance.

  
Danica Carman, Lab Manager

# Analysis Request & Chain of Custody Record

9711010

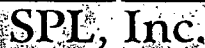
page of

[illegible]

Client Consultant Remarks:		Laboratory remarks:		Intact? <input type="checkbox"/> Y <input type="checkbox"/> N	
				Temp:	
Requested TAT		Special Reporting Requirements		Special Detection Limits (specify):	
		Fax Results <input type="checkbox"/> Raw Data <input type="checkbox"/>			
		Standard QC <input checked="" type="checkbox"/> Level 3 QC <input type="checkbox"/> Level 4 QC <input type="checkbox"/>			
24hr <input type="checkbox"/>	72hr <input type="checkbox"/>	1. Relinquished by Sampler:	date	time	2. Received by:
48hr <input type="checkbox"/>	Standard <input checked="" type="checkbox"/>	3. Relinquished by:	date	time	4. Received by:
Other: <input type="checkbox"/>		5. Relinquished by:	date	time	6. Received by Laboratory:

- ☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
- ☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

- 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775  
1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868



SPL Workorder No.

**C- 02787**

page of

## Analysis Request & Chain of Custody Record

ent/Consultant Remarks:

Laboratory remarks:

Intact? ☒ Y ☐ N

Temp:

Requested TAT		Special Reporting Requirements		Fax Results	<input type="checkbox"/>	Raw Data	<input type="checkbox"/>	Special Detection Limits (specify):		PM review (initial):
		Standard QC	<input checked="" type="checkbox"/>	Level 3 QC	<input type="checkbox"/>	Level 4 QC	<input type="checkbox"/>			
24hr	<input type="checkbox"/>	72hr	<input type="checkbox"/>	1. Relinquished by Sampler:		date	time	2. Received by:		
48hr	<input type="checkbox"/>	Standard	<input checked="" type="checkbox"/>	3. Relinquished by:		date	time	4. Received by:		
Other	<input type="checkbox"/>			5. Relinquished by:		date	time	6. Received by Laboratory:		

- 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901  
459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

- 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775  
1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868



SPL, Inc.

SPL Workorder No:

29

Analysis Request & Chain of Custody Record

0710171

page 1 of 1

Requested Analysis

Client Name: Basin Engineering  
Address/Phone: PO Box 289  
Client Contact: Tracy  
Project Name: Fair Creek  
Project Number: 9426-01  
Project Location: Cane Run N.  
Invoice To: Basin Engineering

matrix bottle size pres.

W=water S=soil  
SL=sludge O=other:  
P=plastic A=amber glass  
G=glass V=vial  
1=1 liter 4=4oz 40=vial  
8=8oz 16=16oz  
1=HCl 2=HNO3  
3=H2SO4 O=other:

Number of Containers

1-16oz

SAMPLE ID DATE TIME comp grab

SAMPLE ID	DATE	TIME	comp	grab
D-5	11/15/97	1:30	X	1
D-5	11/15/97	9:30	X	1
D-5	11/15/97	9:45	X	1
D-5	11/15/97	2:00pm	X	1

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N  
Tem

Requested TAT

Special Reporting Requirements

Fax Results

☒

Raw Data

☐

Special Detection Limits (specify):

PM review (initial):

Standard QC

☒

Level 3 QC

☐

Level 4 QC

☐

24hr ☐

72hr ☐

1. Relinquished by Sampler:

date 11/15/97

time 2:00

2. Received by:

48hr ☐

Standard ☒

3. Relinquished by:

date

time

4. Received by:

Other ☐

5. Relinquished by:

date 11/20/97

time

6. Received by Laboratory:

8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868



GENERAL (505) 748-1100  
P.O. Box 1940  
Hobbs, NM 88241-1980  
Dist. II (505) 748-1283  
811 S. First  
Aztec, NM 88210  
District III (505) 334-6178  
1000 Rio Drazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

RECEIVED

NOV 19 1997

Environmental Bureau

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97050

1. RCRA Exempt: Non-Exempt: ☒ DATE:

Verbal Approval Received: Yes ☒ No By

4. Generator

Weskem Hall Inc.

2. Management Facility Destination

Tierra Environmental Landfarm

5. Originating Site

Weskem Yard.

3. Address of Facility Operator

420 County Road 3100 Aztec, NM 87410 San Juan County

6. Transporter

Weskem

7. Location of Material (Street Address or ULSTR)

#15 County Road 5860 Farmington, NM San Juan County

8. State

New Mexico

9. Check One

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Iron Hydroxide

Iron CAS# 1309-371

Sodium Carbonate CAS# 497-19-8

Limestone CAS# 1317-65-3

Silicate Mineral Non-metallic CAS# 1332-09-8

RECEIVED  
NOV 19 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 14,000 lbs

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

SIGNATURE Tim Nohis TITLE Environmental Specialist DATE 11/12/97

TYPE OR PRINT NAME Tim Nohis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Forst TITLE Geologist DATE 11/13/97

APPROVED BY Mark G. Kelly TITLE Env. Geologist DATE 11/20/97

**District I** (505) 334-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
**District II** (505) 748-1283  
811 S. First  
Artesia, NM 88210  
**District III** (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
**District IV** (505) 827-7131

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

Form C-15  
Revised 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97050 ~~97057~~

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: _____ Verbal Approval Received: Yes <input type="checkbox"/> <u>No</u> By: _____	4. Generator <u>Weskem Hall Inc.</u>
2. Management Facility Destination <u>Tierra Environmental Landfarm</u>	5. Originating Site <u>Weskem Yard.</u>
3. Address of Facility Operator <u>420 County Road 3100 Aztec, NM 87410</u> <u>San Juan County</u>	6. Transporter <u>Weskem</u>
7. Location of Material (Street Address or ULSTR) <u>#15 County Road 5860 Farmington, NM San Juan County</u>	8. State <u>New Mexico</u>
9. Check One A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job. <input type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved. <input checked="" type="radio"/>	

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Iron Hydroxide  
Iron CAS# 1309-371  
Sodium Carbonate CAS# 497-19-8  
Limestone CAS# 1317-65-3  
Silicate Mineral Non-metallic CAS# 1332-09-8

RECEIVED  
NOV 13 1997  
OIL CON. DIV.  
DIST. 3

Estimated Volume 14,000 lbs

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 11/12/97  
TYPE OR PRINT NAME Tim Nohis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/13/97  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> WESKEM HALL INC. 15 RD 5860 FARMINGTON NEW MEXICO 87401	<b>2. Destination Name:</b>  
<b>3. Originating Site (name):</b> WESKEM HALL INC. 15 RD 5860 FARMINGTON NEW MEXICO <small>Attach list of originating sites as appropriate</small>	<b>Location of the Waste (Street address &amp;/or ULSTR):</b>  
<b>4. Source and Description of Waste</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           IRON HYDROXIDE            IRON CAS - # 1309-371            SODIUM CARBONATE CAS# 497-19-8            LIMESTONE CAS # 1317-65-3            SILICATE MINERAL NON METALLIC CAS # 1332-09-8         </div> <div style="width: 35%; text-align: center;">           MSDS ATTACHED         </div> </div>	

I, THOMAS A. NEWMAN, DISTRICT MANAGER representative for: \_\_\_\_\_  
(Print Name)

WESKEM HALL 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 only the following documentation is attached (check appropriate item):

☒ MSDS Information      ☐ Other (description): \_\_\_\_\_  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

Name (Original Signature): Thomas A. Newman

Title: District Manager

Date: November 12, 1997

**Material Safety Data Sheet**

May be used to comply with  
 OSHA'S Hazard Communication Standard  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U. S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IRON HYDROXIDE**

**IDENTITY** (As Used on Label and List) **POROSTONE™ (Label)**  
 also known as **GAS PURIFYING MATERIAL, NOT SPENT**

Note: Blank spaces are not permitted. If any item is not applicable, or not applicable, or no  
 information is available, the space must be marked to indicate that.

**SECTION I**

Manufacturer's Name

**CONNELLY-GPM, INC.**

Address (Number, Street, City, State, and ZIP Code)

**3154 S. California Avenue**

Emergency Telephone Number

**(312) 247-7231**

Telephone Number for information

**(312) 247-7231**

Date Prepared

**October 6, 1993**

Signature of Preparer (optional)

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Specific Chemical Identity: Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits  
 Recommended

% (optional)

**IRON CAS #1309-37-1**

**10 mg/m<sup>3</sup>**

**5 mg/m<sup>3</sup>**

**10 mg/m<sup>3</sup>**

**SODIUM CARBONATE CAS #497-19-8**

**NO TLV ESTABLISHED**

**LIMESTONE CAS #1317-65-3**

**10 mg/m<sup>3</sup> (respirable)**

**SILICATE MINERAL NON-METALLIC CAS #1332-09-8**

**SECTION III - Physical/Chemical Characteristics**

Boiling Point

**Water**

**212°F**

Specific Gravity (H<sub>2</sub>O = 1)

**1/1 - 1/3**

Vapor Pressure (mm Hg)

**N/A**

Melting Point

**N/A**

Vapor Density (AIR = 1)

**N/A**

Evaporation Rate

**N/A**

(Butyl Acetate = 1)

Solubility in Water

**Insoluble**

Appearance and Odor

**Moist Brown Fine Aggregate to Sand Particles**

**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)

**Non-flammable unless water is removed**

Flammable Limits

LEL

UEL

Extinguishing Media

**Water, Sand, Dry Chemical, Universal Type Foam**

Special Fire Fighting Procedures

**NONE**

Unusual Fire and Explosion Hazards

**NONE**

**SECTION V - Reactivity Data**

Unstable		Condition to Avoid
		Do not allow to dry out.
Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur	Condition to Avoid
	Will Not Occur	
	X	

**SECTION VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes (not likely)

Health Hazards (Acute and Chronic)

Inhalation, ingestion may irritate nose, mouth, throat, lungs and stomach.

Product may irritate or burn eyes and cause skin irritation after prolonged contact.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
		NO INFORMATION AVAILABLE	

Signs and Symptoms of Exposure

May cause skin and eye irritation.

Inhalation - Remove to fresh air.

Medical Conditions

Generally Aggravated by Exposure Skin Contact - Wash with water as soon as possible.

Eye Contact - Flush with water. Get Medical attention.

Emergency and First Aid Procedures

Ingestion - Drink large amounts of water to dilute material. DO NOT INDUCE VOMITING.

GET MEDICAL ATTENTION.

**SECTION VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case material Is Released or Spilled

If the material is spilled, normal clean up procedures may be used.

Clean up personnel should be wearing the proper protective equipment.

Waste Disposal Method

Sanitary landfill, following Federal, State and Local guidelines.

Precautions to Be Taken in Handling and Storing

DO NOT ALLOW THE MATERIAL TO DRY OUT AS IT WILL HINDER PERFORMANCE AND

MAY CAUSE A PARTICULATE DUST PROBLEM.

Other Precautions

**SECTION VIII - Control Measures**

Respiratory Protection (Specify Type)

USE NIOSH approved dust masks

Ventilation	Local Exhaust	Special
	If necessary	
	Mechanical (General)	Other

Protective Gloves

Non-absorbent safety gloves

Eye Protection

OSHA approved glasses/goggles

Other Protective Clothing or Equipment

Clothing that exposes as little skin as possible to the POROSTONE.

Work/Hygiene Practices

Keep dusting to a minimum.

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97026 ~~97026~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 11/10/97	4. Generator Burlington
Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	5. Originating Site McGATH #4 SWA
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM	6. Transporter
3. Address of Facility Operator 420 CR 3100 AZTEC NM 87410	8. State NM
7. Location of Material (Street Address or ULSTR) Section 34, Township 30N, Range 12W	
9. Check One	

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Tank bottoms - Filtered Solids From incoming oilfield waste Fluids.

RECEIVED  
NOV 13 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 600 BBls yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Tim Nobis TITLE Environmental Specialist DATE 11/10/97

TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/13/97

APPROVED BY Ernie Buesch TITLE Geologist DATE 11/13/97

**CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:  <b>BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402</b>	2. Destination Name:  <b>Tierra Landfarm</b>
3. Originating Site (name):  <b>McGrath SWD #4</b>	Location of the Waste (Street address &/or ULSTR):  <b>Section 34, T30N, R12W</b>
Attach list of originating sites as appropriate.	
4. Source and Description of Waste:  <b>Filtered solids from incoming oilfield waste fluids.</b>	

I, Ed Hasely representative for:

BURLINGTON 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 only the following documentation is attached (check appropriate items):

MSDS Information  
RCRA Hazardous Waste Analysis  
Chain of Custody

Other (description):

Name (Original Signature):



Title:

SR STAFF ENVIRONMENTAL REPRESENTATIVE

Date:

## **Denny Foust**

---

**From:** Roger Anderson  
**To:** Denny Foust  
**Subject:** Meridian McGrath waste  
**Date:** Tuesday, November 28, 1996 11:29AM  
**Priority:** High

Phil is on the phone with me now. As I said over the phone, the waste will retain it's exemption if the non-exempt portion of the waste is non- hazardous or if the non-exempt portion of the waste is hazardous and the resulting mixture does not exhibit the same characteristic that made the non-exempt portion hazardous.



District I (505) 223-6101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-130  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

80007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 11/7/97	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	CONOCO
2. Management Facility Destination	5. Originating Site
Tierra Environmental Landfarm	San Juan Gas Plant
3. Address of Facility Operator	6. Transporter
#61 C.R. 4900 Bloomfield, NM San Juan County	Riley
7. Location of Material (Street Address or ULSTR)	8. State
#61 C.R. 4900 Bloomfield, NM San Juan County	New Mexico
9. Check One	

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Sulfa Check System - H<sub>2</sub>S treating / scrubbing  
Sulfa Guard 609

RECEIVED  
NOV 13 1997  
OIL CON. DIV.  
DIST. 3

Estimated Volume 220 BBls yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 330 BBls

SIGNATURE Tim Nobis TITLE Environmental Specialist DATE 11/7/97  
TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Funt TITLE Geologist DATE 11/13/97  
APPROVED BY Ernie Buels TITLE Geologist DATE 11/12/97

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: CONOCO INC. NG-GP SAN JUAN GAS PLANT 61 CR 4900 Bloomfield NM 87413	2. Destination Name: TIERRA ENVIRONMENTAL CO. INC TIERRA LAND FARM FACILITY 420 CR 3100 AZTEC SJC NM 87410
3. Originating Site (name): SAME AS ABOVE (Generator)	Location of the Waste (Street address &/or U.S. Route):
Attach list of originating sites to generator	
4. Source and Description of Waste: Sulfa check system - H <sub>2</sub> S treating/scrubbing Sulfa Guard 609	

1. DAVID FRIESS representative for:  
CONOCO INC. NG-GP SAN JUAN GAS PLANT (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 offsite waste ☐ NON-EXEMPT offsite 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 only the following documentation is attached (check appropriate item):  
☒ MSDS Information ☐ Other (description):  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

Name (Original Signature): Vernon P. Gilliam  
Title: Director - Environmental  
Date: 11-7-97

Hobbs, NM 88241-1980

District II (505) 748-1283

811 S. First

Alameda, NM 88210

District III (505) 334-6178

1000 Rio Brazos Road

Aztec, NM 87410

District IV (505) 827-7131

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

Form C-1  
Revised 1/85

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97047

97047

1. RCRA Exempt: Non-Exempt: ☒ DATE:

Verbal Approval Received: Yes ☐ (No) ☒ By:

4. Generator

Chemical Distribution Inc

2. Management Facility Destination

5. Originating Site

CDI Farmington Yard

3. Address of Facility Operator

6. Transporter

Berry Forest Construction

7. Location of Material (Street Address or ULSTR)

8. State

New Mexico

9. Check One

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Sodium Bisulfite - waste water treatment product

Wait for Chain of  
Custody Mkt  
Received 11/5/97 mkt

RECEIVED  
NOV - 4 1997  
OIL CON. DIV.  
DIST. 3

Estimated Volume 10 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Tim Nobis TITLE Environmental Specialist DATE 11/3/97

TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Zant TITLE Geologist DATE 11/4/97

APPROVED BY Martyn J. Kelly TITLE Env. Geologist DATE 11/5/97

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

97047

~~96007~~

<p>1. RCRA Exempt:      Non-Exempt: <input checked="" type="checkbox"/>      DATE: _____</p> <p>Verbal Approval Received: Yes      <input checked="" type="checkbox"/> No      By: _____</p>	<p>4. Generator <i>Chemical Distributors Inc.</i></p>
<p>2. Management Facility Destination <i>Tierra Environmental Landform</i></p>	<p>5. Originating Site <i>CDI Farmington Yard</i></p>
<p>3. Address of Facility Operator <i>420 CR. 3100 Aztec, NM 87410 San Juan County</i></p>	<p>6. Transporter <i>Brug Fautz Construction</i></p>
<p>7. Location of Material (Street Address or ULSTR) <i>3911 Monroe Rd. Farmington, NM San Juan County</i></p>	<p>8. State <i>New Mexico</i></p>

9. Check One

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

**BRIEF DESCRIPTION OF THE MATERIAL:**

*Sodium Bisulfite - waste water treatment product*

**RECEIVED**  
NOV 13 1997

**OIL CON. DIV.**  
DIST. 3

Estimated Volume 10 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE *[Signature]* TITLE *Environmental Specialist* DATE *11/3/97*  
TYPE OR PRINT NAME *Tim Nobis* TELEPHONE NO. *(505) 334-8894*

(This space for State Use)

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

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> Chemical Distributors Inc. 3911 Monroe Rd. Farmington, NM 87401	<b>2. Destination Name:</b> Tierra Environmental Landfarm
<b>3. Originating Site (name):</b> Chemical Distributors Inc. Farmington Yard.	<b>Location of the Waste (Street address &amp;/or ULSTR):</b> 3911 Monroe Rd. Farmington, NM 87401
<small>Attach list of originating sites as appropriate</small>	
<b>4. Source and Description of Waste</b> Sodium Bisulfite - waste water treatment product Thio Sulfate -	

1. Jerry Hughes representative for:

(Print Name)

Chemical Distributors Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1989, 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 only the following documentation is attached (check appropriate items):

☐ MSDS Information

☒ RCRA Hazardous Waste Analysis

☐ Chain of Custody

☐ Other (description):

Name (Original Signature):

Title:

Date:

Jerry Hughes

Operations Manager

11/13/97



International  
Lubrication and  
Fuel Consultants Inc.

*Creating the standards for industry*

---

P.O. Box 15212  
Rio Rancho, NM 87174  
(505) 892-1666 (800) 237-4532  
Fax (505) 892-9601

## ILFC Laboratory Report

for

---

Tierra Environmental Co., Inc.

P.O. Drawer 15250  
Farmington NM

**Project No:** Not Given

Project Location: Not Given

Sampler:

Date Sampled: 10/8/97

Date Received: 10/10/97

Date Reported: 10/31/1997

Report #: 97152

---

Laboratory Manager

# LFC Laboratory Report

Sample Date:	10/8/97	Tierra Environmental Co., Inc.	<b>CAI-1</b>
Registered Date/Time:	10/16/1997 02:25:44 PM	Not Given	
Batch #	97152	Soil	ILFC # 10704

## TCLP Metals analysis by ICP: EPA 6010

Analyte	MDL	Concentration	Limit
Arsenic	0.5 mg/l	<0.5	5.0
Barium	0.2 mg/l	<0.2	100
Cadmium	0.1 mg/l	<0.1	1.0
Chromium	0.2 mg/l	<0.2	5.0
Lead	0.2 mg/l	<0.2	5.0
Selenium	0.5 mg/l	<0.5	1.0
Silver	0.2 mg/l	<0.2	5.0
Mercury	0.001 mg/L	<0.001	0.2
Analyst	Robert Furlong		
Date Analyzed	10/17/97		

## TCLP Volatile Organics: EPA Method 8260

Analyte	MDL (mg/L)	Concentration	Limit (mg/L)
Benzene	0.005	<0.005	0.5
Carbon Tetrachloride	0.005	<0.005	0.5
Chlorobenzene	0.005	<0.005	100.0
Chloroform	0.005	<0.005	6.0
1,4-Dichlorobenzene	0.005	<0.005	7.5
1,2-Dichloroethane	0.005	<0.005	0.5
1,1-Dichloroethylene	0.005	<0.005	0.7
Methyl Ethyl Ketone	0.005	<0.005	200.0
Tetrachloroethylene	0.005	<0.005	0.7
Trichloroethylene	0.005	<0.005	0.5
Vinyl Chloride	0.005	<0.005	0.2
Methylene Chloride	0.005	<0.005	n/a
Acetone	0.005	<0.005	n/a

## TCLP Base Neutrals: EPA Method 8270

Analyte	MDL (mg/L)	Concentration	Limit (mg/L)
1,4-Dichlorobenzene	0.005	0.041	7.5
2,4-Dinitrotoluene	0.005	<0.005	0.13
Hexachlorobenzene	0.005	<0.005	0.13
Hexachlorobutadiene	0.005	<0.005	0.5
Hexachloroethane	0.005	<0.005	3.0
Nitrobenzene	0.005	<0.005	2.0
Pyridine	0.005	<0.005	5.0

## TCLP Acids: EPA Method 8270

Analyte	MDL (mg/L)	Concentration	Limit (mg/L)
o-Cresol	0.005	<0.005	200
m,p-Cresol	0.005	<0.005	200
Pentachlorophenol	0.005	<0.005	200
2,4,5Trichlorophenol	0.005	<0.005	400
2,4,6Trichlorophenol	0.005	<0.005	2.0

# LFC Laboratory Report

Sample Date: 10/8/97

Tierra Environmental Co., Inc.

CAI-1

Registered Date/Time: 10/16/1997 02:25:44 PM

Not Given

Batch # 97152

Soil

ILFC # 10704

## Corrosivity

pH	Date Analyzed	Analyst
2.1	10/17/97	Robert Furlong

## Ignitability

IGNT (Celsius)
>60C

## Reactive Cyanide: Method 9010

Reactive CN (mg/kg)
<0.025

## Reactive Sulfide: Method 9030

Reactive SU (mg/kg)
<20

End of Analyses



TIERRA  
ENVIRONMENTAL  
COMPANY Inc.

CHAIN OF CUSTODY RECORD

P.O. DRAWER 15250 FARMINGTON, NM 87401

Date: 10-10-97

Page 1 of 1

Purchase Order No.:

Job No.

SEND  
INVOICE  
TO

Name Tim Nobis

Company T-1

Address P.O. Box 2

City, State, Zip 8 0

Sampling Location:

Sampler:

Tim Nobis

SAMPLE IDENTIFICATION

SAMPLE  
DATE TIME MATRIX PRES.  
1 0 Soil

Number of  
Containers

Name

Company

Mailing Address

City, State, Zip

Telephone No.

Title

Telefax No.

ANALYSIS REQUESTED

TCLP w/10 H.  
Conductivity  
Reactivity  
Ignitability

LAB ID

Relinquished to

Date/Time

Received by

Date/Time 10 12:50

Relinquished to

Date/Time

Received

Date/Time

Relinquished to

Date/Time

Received by

Date/Time

Method of Shipment:

Rush

24-48 Hours

10 Working Days

Special Instructions:

Authorized by: \_\_\_\_\_ Date

(Client Signature Must Accompany Request)

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283  
811 S. First  
Artesia, NM 88210

District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

97033 ~~96017~~

<p>1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 10/21/97</p> <p>Verbal Approval Received: <input checked="" type="radio"/> Yes <input type="radio"/> No By: Denny Foust</p> <p>2. Management Facility Destination Tierra Environmental Landfarm</p> <p>3. Address of Facility Operator 420 C.R. 3100 Aztec, NM San Juan County</p> <p>7. Location of Material (Street Address or ULSTR) SW/NW Section 8, T24N, R3W Rio Arriba County</p>	<p>4. Generator Burlington Resources</p> <p>5. Originating Site Tilson SWD #1</p> <p>6. Transporter Dawn Trucking</p> <p>8. State New Mexico</p>
--	--

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Filtered solids and tank bottoms from incoming exempt waste fluids.

**RECEIVED**  
NOV - 3 1997  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume 250 Bbls

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 10/22/97  
TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/3/97  
APPROVED BY [Signature] TITLE Geologist DATE 11/3/97

**CERTIFICATE OF WASTE STATUS**

1. Generator Name and Address:  BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402	2. Destination Name:  TIERRA LANDFARM
3. Originating Site (name):  JILLSON SWD #1	Location of the Waste (Street address &/or ULSTR):  SW/NW Section 8, T24N, R3W
Attach list of originating sites as appropriate.	
4. Source and Description of Waste:  Filtered solids and tank bottoms from incoming exempt waste fluids.	

I, Ed Hasely representative for:

BURLINGTON 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

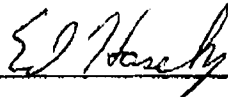
and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

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

MSDS Information  
RCRA Hazardous Waste Analysis  
Chain of Custody

Other (description):

Name (Original Signature):



Title:

SR, STAFF ENVIRONMENTAL REPRESENTATIVE

Date:

OCTOBER 21, 1997

**District I** (505) 333-6101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
**District II** (505) 748-1283  
811 S. First  
Artesia, NM 88210  
**District III** (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
**District IV** (505) 827-7131

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

FORM C-12  
Original 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97025

1. RCRA Exempt: <u>YES</u> Non-Exempt: <u>DATE: 10-17-97</u> Verbal Approval Received: Yes <u>X</u> No <u>By: Johnny Robison</u>	4. Generator <u>MARATHON OIL</u>
2. Management Facility Destination <u>TERRA Environmental LANDFARM</u>	5. Originating Site <u>Schwindt Leger #2</u>
3. Address of Facility Operator <u>420 CR 3100 Aztec NM 87401</u>	6. Transporter
7. Location of Material (Street Address or ULSTR) <u>Schwindt Leger #2</u>	8. State <u>NM</u>
9. <u>Check One</u> <p><input checked="" type="radio"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.</p> <p><input type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.</p>	

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SHALE & SCALE

RECEIVED  
NOV - 3 1997

OIL CON. DIV.  
DIST. 3

No Norm's Disclaimer new certificate of waste will include this statement.

Estimated Volume 2-3 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 2 yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 10-17-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 11/3/97  
APPROVED BY James R. Burch TITLE Geologist DATE 11/3/97

Post-it* Fax Note	7671	Date	10-23	# of pages	1
To	MARATHON OIL	From	Blaine Williams		
Co./Dept.		Co.	TIERRA ENVIRONMENTAL		
Phone #	326-2783	Phone #	334-8894		
Fax #	326-2785	Fax #	334-9024		

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> MARATHON OIL CO P.O. Box 1439 Farmington, N.M. 87499	<b>2. Destination Name:</b> TIERRA ENVIRONMENTAL CO. INC. LANBFARM
<b>3. Originating Site (name):</b> Schwerdtfeger 2	<b>Location of the Waste (Street address &amp;/or ULSTR):</b>
<small>Attach list of originating sites as appropriate</small>	
<b>4. Source and Description of Waste</b> shale + scale	

I, Gary W. Donaghey representative for:  
 (Print Name)  
Marathon Oil 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 only the following documentation is attached (check appropriate items):

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

Name (Original Signature): Gary W. Donaghey  
 Title: Production Supervisor  
 Date: 10-24-97

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283

811 S. First  
Artesia, NM 88210

District III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Submit On  
Plus 1 Cop  
to apprpr  
District Of

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

9600

1. <u>RCRA Exempt:</u> Non-Exempt: DATE: <u>9/23/97</u> Verbal Approval Received: <u>Yes</u> No By: <u>D. Foust</u>	4. Generator <u>Red Cedar</u>
2. Management Facility Destination <u>Tierra Landfarm</u>	5. Originating Site <u>ARKANSAS LOOP</u>
3. Address of Facility Operator <u>420 CR 3100, Aztec, NM</u>	6. Transporter <u>HAWKER</u>
7. Location of Material (Street Address or ULSTR) <u>Sec. 2, 32N</u> <u>9W - LaPlata County</u>	8. State <u>Colorado</u>

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: Spent Charcoal Media from two Process units.

**RECEIVED**  
SEP 26 1997

**OIL CON. DIV.**  
DIST. 8

Estimated Volume 12 yd<sup>3</sup>

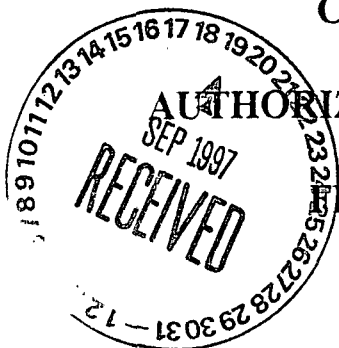
Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Philip C. Noh TITLE President DATE 23 7  
TYPE OR PRINT NAME \_\_\_\_\_ TELEPHONE NO. 505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Zent TITLE Geologist DATE \_\_\_\_\_  
APPROVED BY Ernie Bunch TITLE Coal... DATE \_\_\_\_\_

CERTIFICATE FROM OUT OF STATE AGENCY



AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from location Arkansas Loop Plant-LaPlata Cty, Colo and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

X The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.

       The material is exempt from regulation by characteristic analyses.

       The material is exempt from regulation by product identification.

**THEREFORE:**

As a representative for Bureau of Indian Affairs I have no objections to the material being removed to New Mexico.

NAME: Danny H. Breuninger, S. TITLE: Superintendent

SIGNATURE:  DATE: 9/16/97

AGENCY: Bureau of Indian Affairs

ADDRESS: PO Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Red Cedar Gathering Company 26266 Highway 160 Durango, CO 81301	2. Destination Name: <i>TIERRA ENVIRONMENTAL Co. INC. LANDFARM</i>
3. Originating Site (name): Arkansa Loop Plant - LaPlata County Colorado section 2 of 32N. 9W	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Spent charcoal filter media from two processes - Plant one - 3 tons - removal week of September 22, 1997. - Plant two - 3 tons - removal week of September 29, 1997	

I, James H. Mayo, CSP representative for:  
(Print Name)  
Red Cedar Gathering 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 only the following documentation is attached (check appropriate items):

☐ MSDS Information

☐ Other (description):

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

Name (Original Signature):

*James H Mayo*

Title: Manager, Safety & Enviromental

Date: September 9, 1997



DISTRICT I (505) 973-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-13  
Original 4/18/85

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97033 96007

1. RCRA Exempt: Non-Exempt: DATE:	4. Generator
Verbal Approval Received: <u>Yes</u> No By: <u>Denny Foust</u>	<u>Burlington Resources</u>
2. Management Facility Destination	5. Originating Site
<u>Tierra Environmental Landfarm Facility</u>	<u>Jillson SWD #1</u>
3. Address of Facility Operator	6. Transporter
<u>420 C.R. 3100 Aztec, NM 87410</u>	<u>Dawn Trucking</u>
7. Location of Material (Street Address or ULSTR)	8. State
<u>S-8 T-24N R-3W 1/4 SW 1/4 NW Rio Arriba County</u>	<u>NM</u>

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Filtered Solids and Tank Bottoms from incoming exempt waste Fluids.

RECEIVED  
SEP 18 1997

OIL CON. DIV.  
DIST. 3

why  
Weeded correct  
certificate of  
waste

Estimated Volume 400 bbls yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 8-20-97  
TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/19/97  
APPROVED BY Ernie Busch TITLE Geologist DATE 9/23/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S- 8 T- 24N R- 3W 1/4 SW 1/4 Alb County Rio Arriba State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Filtered Solids & tank bottoms from incoming exempt  
waste fluids

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I CRAIG A. Bock representative  
for Burlington Resources

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is X Exempt  
\_\_\_\_\_ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

\_\_\_\_ MSDS Information sheet

\_\_\_\_ RCRA TCLP Analysis

\_\_\_\_ RCRA Metals Analysis

\_\_\_\_ Corrosivity, Ignitability, Reactivity

\_\_\_\_ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Craig A. Bock

Printed Name CRAIG A. Bock

Title Environmental Representative

Date 8/19/97

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:  BURLINGTON RESOURCES 3535 EAST 30th STREET FARMINGTON, NM 87402	2. Destination Name:  TIERRA LANDFARM
3. Originating Site (name):  JILLOS SWD #1  Attach list of originating sites as appropriate.	Location of the Waste (Street address &/or ULSTR):  SW/NW Section 8, T24N, R3W
4. Source and Description of Waste:  Filtered solids and tank bottoms from incoming exempt waste fluids.	

RECEIVED  
SEP 26 1997  
OIL CON. DIV.  
DIST. 3

I, Craig A. Bock representative for:

BURLINGTON 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 only the following documentation is attached (check appropriate items):

MSDS Information  
RCRA Hazardous Waste Analysis  
Chain of Custody

Other (description):

Name (Original Signature):



Title:

ENVIRONMENTAL REPRESENTATIVE

Date:

SEPTEMBER 24, 1997

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283

811 S. First  
Artesia, NM 88210

District III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97017 ~~97017~~1. RCRA Exempt: ☒ Non-Exempt: DATE: 9-15-97Verbal Approval Received: ☒ Yes No By: D. Foust

4. Generator

Basin Disposal

2. Management Facility Destination

Tierra Environmental Landfarm Facility

5. Originating Site

Basin Disposal

3. Address of Facility Operator

420 C.R. 3100 Aztec, NM 87410

6. Transporter

7. Location of Material (Street Address or ULSTR)

#6 C.R. 5046 Bloomfield, NM 87413 San Juan County

8. State

New Mexico

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Oilfield waste mixed with dirt  
(Stabilized tank bottoms and sludges)RECEIVED  
SEP 16 1997OIL CON. DIV.  
DIST. 3Estimated Volume 2000 yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>SIGNATURE Tim Nobis TITLE Environmental Specialist DATE 9-16-97TYPE OR PRINT NAME Tim Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 9/17/97APPROVED BY Ernie Busch TITLE Geologist DATE 9/18/97

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Basin Disposal, Inc. P.O. Box 100 Aztec, NM 87410	2. Destination Name:  TIERRA ENVIRONMENTAL Co-INC, LANDFARM
3. Originating Site (name): Basin Disposal	Location of the Waste (Street address &/or ULSTR): 6 ER 5046 Blowfield, NM 87413
Attach list of originating sites as appropriate	
4. Source and Description of Waste Oilfield waste mixed with dirt	

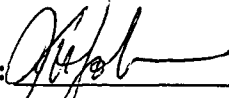
I, Kerth Johnson representative for:  
(Print Name)  
Basin Disposal, Inc. do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ 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 only the following documentation is attached (check appropriate items):

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

Name (Original Signature): 

Title: General Manager

Date: 9-16-97

P.O. Box 1940  
Hobbs, NM 88241-1980

DISTRICT II (505) 748-1283

811 S. First  
Artesia, NM 88210

DISTRICT III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

DISTRICT IV (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: ☒ Non-Exempt: ☐ DATE: 8/13/97Verbal Approval Received: ☒ Yes ☐ No By: D. Foster

4. Generator

CONOCO N G P

2. Management Facility Destination

Tierra Crouch Mesa Landfarm

5. Originating Site

61 CR 4900 SAN JUAN CO.

3. Address of Facility Operator

420 CR 3100 SAN JUAN CO NM

6. Transporter

Riley

7. Location of Material (Street Address or ULSTR)

61 CR 4900 SAN JUAN CO NM

8. State

NM

9. Check One

☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Operations SCRUBBER Waste From Gas Plant  
MSDS Attached (Sludge)

RECEIVED  
AUG 19 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 225 BBLS yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>SIGNATURE Denny G. ZentTITLE PresidentDATE 8/13/97

TYPE OR PRINT NAME \_\_\_\_\_

TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Zent TITLE GeologistDATE 8/21/97APPROVED BY Ernie Bunch TITLE \_\_\_\_\_DATE \_\_\_\_\_

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> Conoco Inc. - NG&GP San Juan Gas Plant 61 CR 4900 Bloomfield, NM 87413	<b>2. Destination Name:</b> Tierra Environmental Co., Inc. Tierra Land Farm Facility 420 CR 3100 Aztec, San Juan County NM 87410
<b>3. Originating Site (name):</b> Same as above ( Generator )  <b>Location of the Waste (Street address &amp;/or ULSRN):</b>  Attach list of originating sites as appropriate	
<b>4. Source and Description of Waste</b> Sulfa Check System - H <sub>2</sub> S treating/scrubbing Sulfa Guard 609	

I, Richard R. Theander representative for:  
 (Print Name)  
 Conoco Inc., NG&GP, San Juan Gas Plant 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 only the following documentation is attached (check appropriate items):

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

Name (Original Signature): Richard R. Theander

Title: Process Foreman

Date: 8-13-97

# Material Safety Data Sheet

<b>Common Name</b>	<b>SulfaGuard 609</b>	<b>Code</b>	7183
<b>Supplier</b>	COASTAL FLUID TECHNOLOGIES, INC. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-1952	<b>MSDS#</b>	Not available.
<b>Synonym</b>	Not available.	<b>Validation Date</b>	1/14/97
<b>Trade name</b>	Not available.	<b>Print Date</b>	4/28/97
<b>Material Uses</b>	Not available.	<b>Emergency</b>	TRANSPORTATION EMERGENCY: CHEM-TEL, INC. 1-800-263-3924
<b>Manufacturer</b>	COASTAL FLUID TECHNOLOGIES, INC. 3520 Veterans Memorial Drive ABBEVILLE, LA 70510 318-893-1952		

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
Material	87-56-1	<15	TWA: 200 STEL: 250 (ppm) TWA: 260 STEL: 328 (mg/m <sup>3</sup> )	ORAL (LD50) mg/kg: Acute: 5628 (Rat). DERMAL (LD50) mg/kg: Acute: 15800 (Rabbit). VAPOR (LC50) ppm: Acute: 64000 (Rat). (4 hour(s)).

<b>Emergency Overview</b>	<b>CAUTION!</b> MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.
<b>Routes of Entry</b>	Eye contact. Ingestion. Inhalation.
<b>Potential Acute Health Effects</b>	Slightly dangerous to dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Very slightly to slightly dangerous in case of skin contact (permeator). Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.
<b>Potential Chronic Health Effects</b>	<b>CARCINOGENIC EFFECTS:</b> Not available. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. The substance is toxic to the nervous system, the reproductive system. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.



# **SulfaGuard 609**

Page Number: 2

Eye Contact	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.
Hazardous Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Flammability of the Product	Flammable.
Auto-Ignition Temperature	The lowest known value is 385°C (725°F) (Methanol).
Flash Points	The lowest known value is OPEN CUP: 11.111°C (32°F) (Cleveland) (Methanol)
Flammable Limits	The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol)
Products of Combustion	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames and sparks, of heat, of combustible materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	Explosive in the form of vapor when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition, it emits acrid smoke and irritating fumes. (Methanol)
Special Remarks on Explosion Hazards	No additional remark.

04-20-1997 02:16AM

Coastal Fluid Tech

TO

J63249301999 P.04

SafeGuard 609

Page Number: 6

Proper Shipping Name Flammable liquids n.o.s.

DOT Classification DOT CLASS 3: Flammable liquid.

DOT Identification Number UN 1983

Packing Group PG II

Hazardous Substance Reportable Quantity 9071.8

Special Provisions for Transport (contains Methanol)

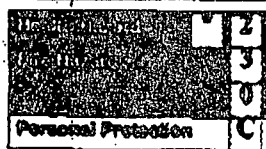
Federal and State Regulations

The following product(s) is (are) listed on SARA 313: , Methanol  
The following product(s) is (are) listed by the State of Massachusetts: Methanol  
The following product(s) is (are) listed on TSCA: Methanol

Other Classifications

WHMIS (Canada) WHMIS CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).  
WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).  
DSCG (EEC) R12- Extremely flammable.  
R28- Very toxic if swallowed.

HMIS (U.S.A.)



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

Health

Fire Hazard

Reactivity

Specific hazard

References Not available.

Other Special Considerations No additional remark.

Validated by Charles Toups on 1/14/97.

Verified by Charles Toups.

Printed 4/28/97.

Emergency Contact

CHEM-TEL, INC. - 1-800-266-3024

Notice to Reader

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

<b>SuffaGuard 809</b>		<b>Page Number: 4</b>
Physical Chemical Constants	Not available.	
Chemical Stability	The product is stable.	
Conditions of Instability	No additional remark.	
Incompatibility with various substances	Highly reactive with oxidizing agents.	
Hazardous Decomposition Products	Not available.	
Hazardous Polymerization	No.	
Toxicity to Animals	<b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b> Acute oral toxicity (LD50): > 5000 mg/kg (Rat) Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit) Acute toxicity of the vapor (LC50): > 5000 ppm (Rat.)	
Chronic Effects on Humans	The substance is toxic to the nervous system, the reproductive system.	
Other Toxic Effects on Humans	Slightly dangerous to dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Very slightly to slightly dangerous in case of skin contact (permeator).	
Special Remarks on Toxicity to Animals	No additional remark.	
Special Remarks on Chronic Effects on Humans	0040 Passes through the placental barrier. May be fatal or cause blindness if swallowed. (Methanol)	
Special Remarks on other Toxic Effects on Humans	Narcotic. (Methanol)	
Ecotoxicity	Not available.	
BOD5 and COD	Not available.	
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.	
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.	
Special Remarks on the Products of Biodegradation	No additional remark.	
Waste Disposal	Recycle, if possible. Consult your local or regional authorities.	

SellaGuard 609		Page Number: 3
Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.	
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition.	
Handling	Not available.	
Storage	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).	
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.	
Personal Protection	Safety glasses. Synthetic apron. Gloves (impervious). Wear appropriate respirator when ventilation is inadequate.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	
Chemical Name or Product Name	CAS #	Exposure Limits
Methanol	67-56-1	TWA: 200 STEL: 250 (ppm) TWA: 260 STEL: 320 (mg/m³)
Physical state and appearance	Liquid.	Odor Not available.
Molecular Weight	Not applicable.	Taste Not available.
pH (1% soln/water)	Neutral.	Color Straw color. (Light.)
Boiling Point	The lowest known value is 64.7°C (148.5°F) (Methanol).	
Melting Point	May start to solidify at -97.8°C (-144°F) based on data for: Methanol.	
Critical Temperature	Not available.	
Specific Gravity	1.05 (Water = 1)	
Vapor Pressure	The highest known value is 97.68 mm of Hg (@ 20°C) (Methanol).	
Vapor Density	The highest known value is 1.11 (Air = 1) (Methanol).	
Volatility	Not available.	
Odor Threshold	Not available.	
Evaporation rate	Not available.	
Viscosity	Not available.	
Water/Oil Dist. Coeff.	Not available.	
Toxicity (in Water)	Not available.	
Dispersion Properties	Is not dispersed in methanol, diethyl ether. See solubility in water, methanol, diethyl ether.	
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether.	

District I (505) 334-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-1  
Original 4/18/95  
Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97029

1. RCRA Exempt: Non-Exempt: <u>X</u> DATE: 7-30-97	4. Generator
Verbal Approval Received: Yes <u>No</u> By:	Chemical Distributors
2. Management Facility Destination	5. Originating Site
Tierra Environmental Landfarm Crouch Mesa	COI Farmington Facility
3. Address of Facility Operator	6. Transporter
420 C.R. 3100 Aztec, NM 87410	Foutz Construction
7. Location of Material (Street Address or ULSTR)	8. State
3911 Monroe Rd Farmington, NM 87401	New Mexico
9. Check One	
<input type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.	
<input checked="" type="checkbox"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids from fertilizer mixing tank (declared non-hazardous by characteristic analysis)

RECEIVED  
AUG - 7 1997

RECEIVED  
AUG - 1 1997

OIL CON. DIV.  
DIST. 3

OIL CON. DIV.  
DIST. 3

Estimated Volume 30-40 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Timothy S. Nobis TITLE Environmental Specialist DATE 7-30-97  
TYPE OR PRINT NAME Timothy S. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foutz TITLE Geologist DATE 8/1/97  
APPROVED BY Martinez J. Smith TITLE Env Geologist DATE 8/5/97

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283  
811 S. First  
Artesia, NM 88210

District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97029

<p>1. RCRA Exempt:      Non-Exempt: <u>X</u>      DATE: <u>7-30-97</u></p> <p>Verbal Approval Received: Yes <u>(No)</u> By: _____</p>	<p>4. Generator <u>Chemical Distributors</u></p>
<p>2. Management Facility Destination <u>Tierra Environmental Landfarm Crouch Mesa</u></p>	<p>5. Originating Site <u>COI Farmington Facility</u></p>
<p>3. Address of Facility Operator <u>420 C.R. 3100 Aztec, NM 87410</u></p>	<p>6. Transporter <u>Foutz Construction</u></p>
<p>7. Location of Material (Street Address or ULSTR) <u>3911 Monroe Rd Farmington, NM 87401</u></p>	<p>8. State <u>New Mexico</u></p>
<p>9. <u>Check One</u></p> <p>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.</p> <p><input checked="" type="checkbox"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.</p>	
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BRIEF DESCRIPTION OF THE MATERIAL:

Solids from fertilizer mixing tank (declared non-hazardous by characteristic analysis)

RECEIVED  
AUG - 1 1997

OIL CON. DIV.

Estimated Volume 30-40 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 7-30-97

TYPE OR PRINT NAME Timothy S. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 8/1/97

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

RECEIVED  
AUG - 1 1997

OIL CON. DIV.  
DIST. 3

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Chemical Distributors Inc. 3911 Monroe Rd. Farmington NM 87401	2. Destination Name: Tierra Environmental Co, Inc. 420 County Road 3100 Aztec, NM 87410
3. Originating Site (name): Chemical Distributors Inc. Farmington Facility Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 3911 Monroe Rd. Farmington, NM 87401
4. Source and Description of Waste Solids from fertilizer mixing tank	

I, Debbie Byrd representative for:  
Chemical Distributors Inc (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 only the following documentation is attached (check appropriate items):

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

☐ Other (description):

Name (Original Signature):

Title:

Date:

Debbie Byrd  
Manager  
7/30/97

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 25, 1997

Mr. Phil Nobis  
Tierra Environmental Services, Inc.  
P.O. Drawer 15250  
Farmington, New Mexico 87499

RECEIVED  
AUG - 4 1997

OIL CON. DIV.  
DIST. 3

Project No.: 04074-03

Dear Mr. Nobis,

Enclosed are the analytical results for the sample collected from the location designated as "Farmington/Browning - 97026-1". One soil sample was collected by Tierra Environmental Services personnel on July 17, 1997, and received by the Envirotech laboratory on July 17, 1997 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals analysis, and Reactivity, Corrosivity, and Ignitability characterization).

The sample was documented on Envirotech Chain of Custody No. 5314 and assigned Laboratory No. B675 for tracking purposes. The sample was extracted on 07/21/97 and analyzed on 07/21/97 - 07/25/97 using USEPA or equivalent methods.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds or characteristics.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615, and it is always a pleasure doing business with you.

Respectfully submitted,  
Envirotech, Inc.



Stacy W. Seidler  
Environmental Scientist/Laboratory Manager

enc.

SWS/sws/04074-03.lb6/wpd



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	97026-I	Date Reported:	07-22-97
Lab ID#:	B675	Date Sampled:	07-17-97
Sample Matrix:	Soil	Date Received:	07-17-97
Preservative:	Cool	Date Analyzed:	07-21-97
Condition:	Cool & Intact	Chain of Custody:	5314

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.51

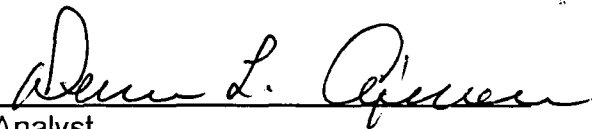
REACTIVITY: Negative

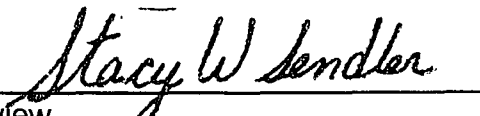
### RCRA Hazardous Waste Criteria

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: Farmington / Browning.

  
Analyst

  
Review

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	97026-I	Date Reported:	07-24-97
Laboratory Number:	B675	Date Sampled:	07-17-97
Chain of Custody:	5314	Date Received:	07-17-97
Sample Matrix:	Soil	Date Extracted:	07-21-97
Preservative:	Cool	Date Analyzed:	07-23-97
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

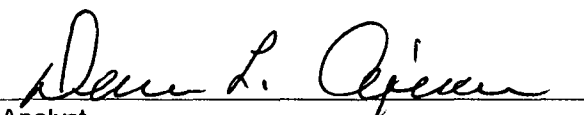
ND - Parameter not detected at the stated detection limit.

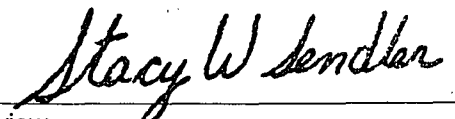
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	101%

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: Farmington / Browning.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	97026-I	Date Reported:	07-25-97
Laboratory Number:	B675	Date Sampled:	07-17-97
Chain of Custody:	5314	Date Received:	07-17-97
Sample Matrix:	Soil	Date Extracted:	07-21-97
Preservative:	Cool	Date Analyzed:	07-24-97
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	100%
	2,4,6-Tribromophenol	96%

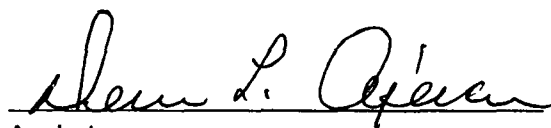
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

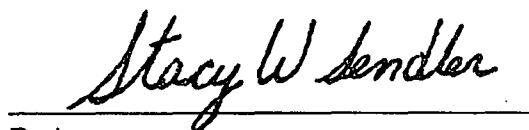
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: Farmington / Browning.

  
Analyst

  
Review

# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	97026-I	Date Reported:	07-24-97
Laboratory Number:	B675	Date Sampled:	07-17-97
Chain of Custody:	5314	Date Received:	07-17-97
Sample Matrix:	Soil	Date Extracted:	07-21-97
Preservative:	Cool	Date Analyzed:	07-24-97
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

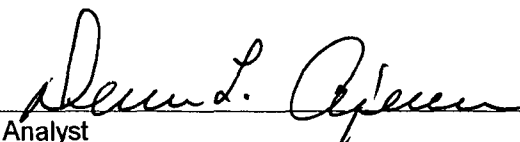
ND - Parameter not detected at the stated detection limit.

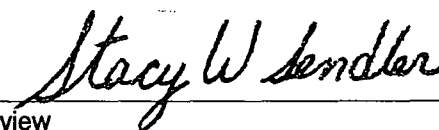
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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: Farmington / Browning.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Tierra Environmental	Project #:	04074-03
Sample ID:	97026-I	Date Reported:	07-25-97
Laboratory Number:	B675	Date Sampled:	07-17-97
Chain of Custody:	5314	Date Received:	07-17-97
Sample Matrix:	Soil	Date Analyzed:	07-25-97
Preservative:	Cool	Date Extracted:	07-21-97
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	2.91	0.01	100
Cadmium	ND	0.001	1.00
Chromium	0.085	0.001	5.00
Lead	0.443	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

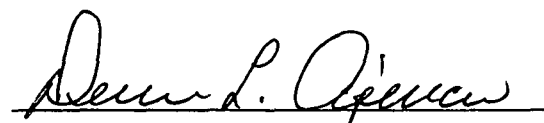
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

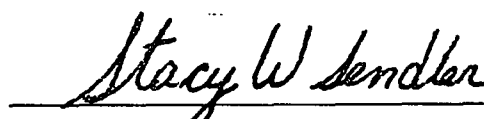
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

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

Comments: Farmington / Browning.

  
Analyst

  
Review

# **ENVIROTECH LABS**

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

## **QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION**

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-24-97
Laboratory Number:	07-23-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-23-97
Condition:	N/A	Analysis Requested:	TCLP

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

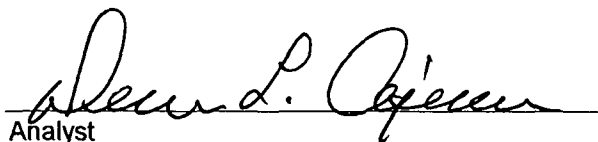
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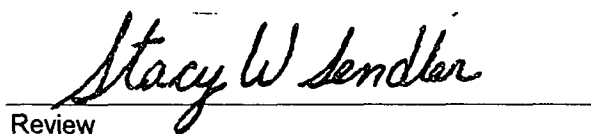
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

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

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
Analyst

  
Review

# ENVIROTECH LABS

**RACTICAL 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:	07-24-97
Laboratory Number:	07-21-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-23-97
Condition:	N/A	Date Extracted:	07-21-97
		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

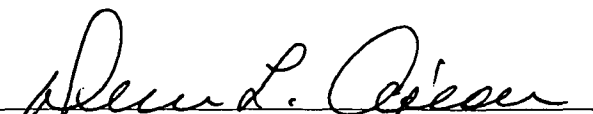
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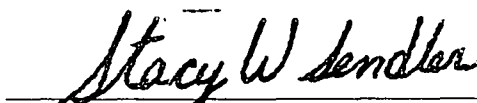
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	102%

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

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

Comments: **QA/QC for samples B675, B676, B686 and B690.**

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

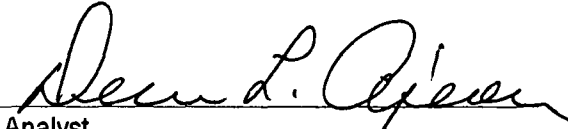
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-24-97
Laboratory Number:	B676	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-23-97
Condition:	N/A	Date Extracted:	07-21-97

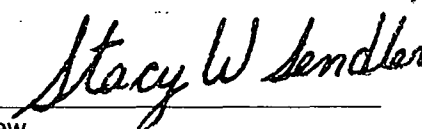
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%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

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

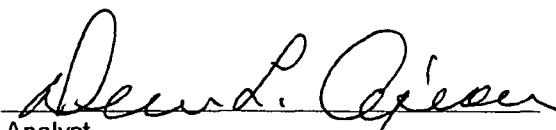
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-24-97
Laboratory Number:	B676	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-23-97
Condition:	N/A	Date Extracted:	07-21-97

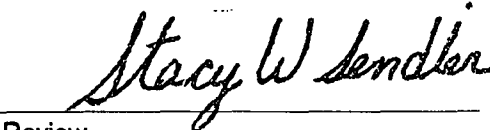
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0452	0.0001	90%	28-163
1,1-Dichloroethene	ND	0.050	0.0466	0.0001	93%	43-143
2-Butanone (MEK)	ND	0.050	0.0498	0.0001	100%	47-132
Chloroform	ND	0.050	0.0477	0.0001	95%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0489	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.050	0.0482	0.0001	96%	51-147
Trichloroethene	ND	0.050	0.0485	0.0003	97%	35-146
Tetrachloroethene	ND	0.050	0.0489	0.0005	98%	26-162
Chlorobenzene	ND	0.050	0.0483	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0484	0.0002	97%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-25-97
Laboratory Number:	07-24-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-24-97
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	100 %
	2,4,6-tribromophenol	100 %

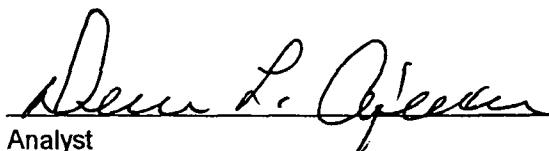
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
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:	07-25-97
Laboratory Number:	07-21-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-21-97
Condition:	Cool & Intact	Date Analyzed:	07-24-97
		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%

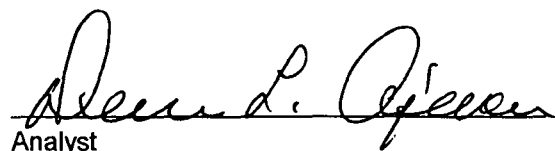
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

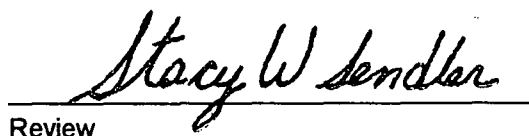
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 19

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
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:	07-25-97
Laboratory Number:	B676	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-21-97
Condition:	Cool & Intact	Date Analyzed:	07-24-97
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

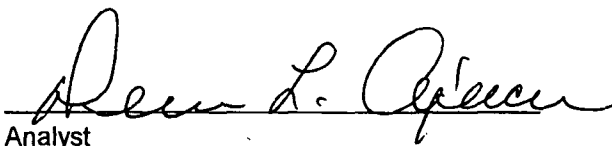
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

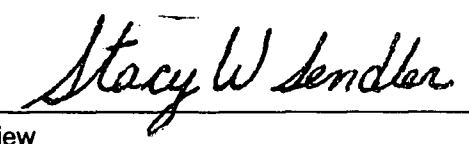
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples B675, B676, B686 and B690.

  
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:	07-24-97
Laboratory Number:	07-24-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-24-97
		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.

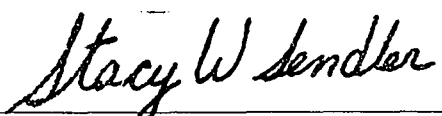
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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 B675, B676, B686 and B690.

  
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: 07-21-TBN.MB  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

Project #: N/A  
Date Reported: 07-24-97  
Date Sampled: N/A  
Date Received: N/A  
Date Extracted: 07-21-97  
Date Analyzed: 07-24-97  
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
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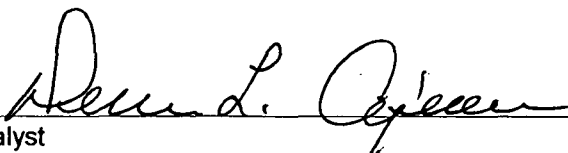
2-fluorobiphenyl

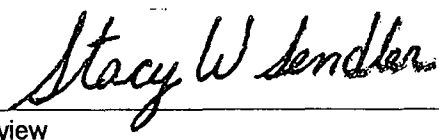
99%

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: QA/QC for sample B675, B676, B686 and B690.

  
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  
Sample ID: Matrix Duplicate  
Laboratory Number: B676  
Sample Matrix: Liquid  
Preservative: N/A  
Condition: N/A

Project #: N/A  
Date Reported: 07-24-97  
Date Sampled: N/A  
Date Received: N/A  
Date Extracted: N/A  
Date Analyzed: 07-24-97  
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
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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 B675, B676, B686 and B690.

  
Analyst

  
Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	07-25-97
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-25-97
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

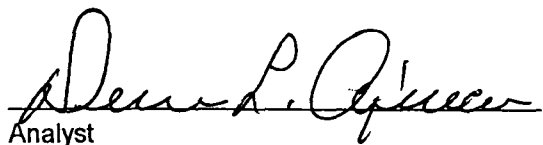
ND - Parameter not detected at the stated detection limit.

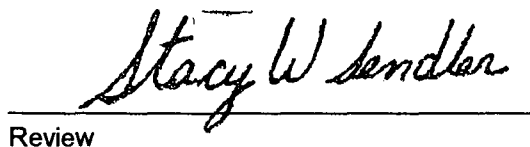
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples B675, B676, B680, B690 and B697.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-25-97
Laboratory Number:	B676	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-25-97
Condition:	N/A	Date Extracted:	07-21-97

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	3.03	3.04	0.3%
Cadmium	0.003	0.003	0.0%
Chromium	ND	ND	0.0%
Lead	0.007	0.007	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

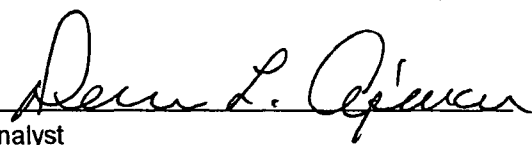
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

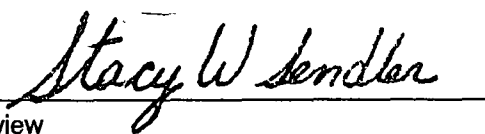
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples B675, B676, B680, B690 and B697.

  
Analyst

  
Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-25-97
Laboratory Number:	B676	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-25-97
Condition:	N/A	Date Extracted:	07-21-97

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.100	100%
Barium	1.00	3.03	4.04	100%
Cadmium	0.050	0.003	0.053	100%
Chromium	0.050	ND	0.050	100%
Lead	0.100	0.007	0.107	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.049	98%

ND - Parameter not detected at the stated detection limit.

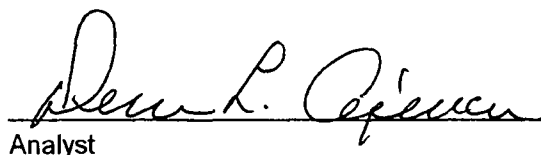
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

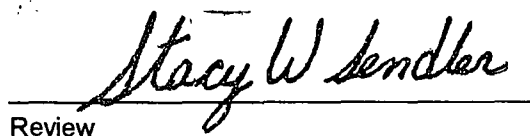
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples B675, B676, B680, B690 and B697.

  
Analyst

  
Review



## CHAIN OF CUSTODY RECORD

Client/Project Name <i>TIERRA Environmental</i>			Project Location <i>Farmington / Browning</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>04074-03</i>		No. of Containers <i>1</i>	<i>TCL A w/o H<sub>2</sub>O</i>	<i>Acidity</i>	<i>Reactivity</i>	<i>Ignitability</i>			Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>97026-I</i>	<i>7-17-97</i>	<i>1100</i>	<i>B675</i>	<i>SOIL</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>7-17-97</i>	Time <i>1517</i>	Received by: (Signature) <i>Christa Walters</i>					Date <i>7-17-97</i>	Time <i>15:17</i>	
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615												

## CHAIN OF CUSTODY RECORD

Client/Project Name <i>TIERRA ENVIRONMENTAL</i>			Project Location <i>Farmington / Blowing</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No.		No. of Containers <i>1</i>	<i>TCAP w/o</i> <i>H<sub>2</sub>O</i>	<i>Acidity</i>	<i>Reactivity</i>	<i>Ign. liability</i>			Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>97026-I</i>	<i>7-17-97</i>	<i>1100</i>		<i>SOIL</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>7-17-97</i>	Time <i>1517</i>	Received by: (Signature) <i>Christine Walters</i>						Date <i>7-17-97</i>	Time <i>1517</i>
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.  
 5796 U.S. Highway 64-3014  
 Farmington, New Mexico 87401  
 (505) 632-0615

RECEIVED  
 AUG - 4 1997  
 OIL CON. DIV.  
 DIST. 3

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283

811 S. First  
Artesia, NM 88210

District III (505) 334-6178

1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Form C-1  
Revised 4/1/89

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

7/26/97

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 6-26-97	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: ERNIE BUSCH	BURKINGTON RESOURCES
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site MCGRATH SWD #4
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter CF&M
7. Location of Material (Street Address or ULSTR) S-34, T-30N, R-12W	8. State NEW MEXICO

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED  
JUN 27 1997

OIL CON. DIV.  
DIST. 3

TANK BOTTOMS & SKIMMER POND  
WASTE COLLECTED FROM DAILY  
OPERATIONS AT DISPOSAL FACILITY

See E-mail from Roger Anderson  
Classifies waste as exempt

Estimated Volume 120 BBL yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Spec. DATE 6-26-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Zent TITLE Geologist DATE 6/30/97  
APPROVED BY Ernie Busch TITLE Geologist DATE 6/30/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-34 T-30N R-12W 1/4 1/4 County San Juan State NM  
Physical Address if appropriate:

Source and description of waste:

Filtration of incoming fluids to the McGrath SWD #4 injection well.  
Sediment Sludge.

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Craig A. Bock representative  
for Burlington Resources

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is Exempt  
X Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

MSDS Information sheet  
X RCRA TCLP Analysis  
X RCRA Metals Analysis  
X Corrosivity, Ignitability, Reactivity  
X I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since 10/24/96

Signature C. A. Bock  
Printed Name / Craig A. Bock  
Title Environmental Representative  
Date 6-23-97



ADDRESS 1 (505) 334-8101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Form  
Submission  
Plus 1  
to app  
Discre

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97024

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE:	4. Generator
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By:	FESCO Inc.
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM Facility	5. Originating Site 5500 Hwy 64
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter FESCO Inc.
7. Location of Material (Street Address or ULSTR) 5500 Hwy 64 Farmington NM 87401	8. State NM

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

DIESEL Spill From Equipment  
in Oilfield Contractors Office

RECEIVED  
JUN 17 1997

OIL CON. DIV.  
DIST. 3

RECEIVED

JUN 19 1997

Environmental Bureau  
Oil Conservation Division

RECEIVED  
JUN 19 1997

Estimated Volume 5 yd<sup>3</sup>

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

SIGNATURE Blaine Williams TITLE Environmental Spec DATE 6-16-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 6/17/97

APPROVED BY Mustafa J. Khaliq TITLE Env. Geologist DATE 6/19/97

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Form C-1  
(Original 4/1/83)

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97024

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By:	4. Generator FESCO INC.
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM FACILITY	5. Originating Site 5500 Hwy 64
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Transporter FESCO INC.
7. Location of Material (Street Address or ULSTR) 5500 Hwy 64 Farmington NM 87401	8. State NM

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED  
JUN 17 1997

OIL CON. DIV.  
DIST. 3

DIESEL SPILL FROM EQUIPMENT  
in oilfield contractors office  
Facility. DIESEL IS MIXED WITH SOIL

Estimated Volume 5 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Spec DATE 6-16-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Jent TITLE Geologist DATE 6/17/97  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

**TIERRA ENVIRONMENTAL COMPANY Inc.**

**420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410**



**P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250**

**PHONE (505) 334-8894 FAX (505)334-9024**

June 16, 1997

Mr. Roger Anderson, Bureau Chief  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

**RE: REQUEST TO ACCEPT NON-EXEMPT-NON-HAZARDOUS SOIL  
CONTAMINATED WITH #2 DIESEL FUEL, FESCO, INC.:**

Dear Mr. Anderson:

Accompanying this letter is a completed OCD Form C-138. Fesco Inc. is a dirt work contracting and trucking company who does more than fifty percent of their business within the oil and gas industry. If you recall they performed the final closure dirt work at Southwest Disposal as our sub contractor.

The spill in question occurred while a piece of equipment seldom used was parked in their yard. Diesel from a leaking fuel line contaminated approximately five yards of soil.

Please call me if you have any questions or require additional information. It is my understanding that Diesel Fuel has been identified as non-hazardous by Declaration.

Sincerely,

Phillip C. Nobis  
President

## TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S- T- R- 1/4 1/4 County SJ State NM  
Physical Address if appropriate: 5500 Hwy 64 Farmington NM

Source and description of waste:

DIESEL FUEL MIXED WITH SOILDestination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.I Walter Bump representative  
for FESCO INCdo hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is Exempt  
Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☐ MSDS Information sheet☐ RCRA TCLP Analysis☐ RCRA Metals Analysis☐ Corrosivity, Ignitability, Reactivity☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_Signature Walter Bump  
Printed Name Walter Bump  
Title Gen. Mgr.  
Date 6/16/97

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 9/7023 96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 5-30-97 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: Denny Foust	4. Generator ANM GAS SERVICES
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM CROUCH MESA	5. Originating Site MCCOY G.C. #A-1
3. Address of Facility Operator 420 CR 3100 AZTEC NM 87410	6. Transporter DIAMOND A CONST.
7. Location of Material (Street Address or ULSTR) S-18, T-31, R-10W Unit Letter H	8. State NM

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SOILS FROM DEHYDRATION PIT

RECEIVED  
JUN - 4 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 300 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE ENVIRONMENTAL SPEC. DATE 5-30-97  
 TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 6/5/97  
 APPROVED BY [Signature] TITLE L DATE 4

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505)334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-18T-31R-10 1/4' <sup>unit Letter H</sup> 1/4' County San Juan State N.M.  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

McCoy Gas Com A # waste pit contaminated  
soil.

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Ray Haston representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is X Exempt  
\_\_\_\_\_ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

\_\_\_\_\_ MSDS Information sheet

\_\_\_\_\_ RCRA TCLP Analysis

\_\_\_\_\_ RCRA Metals Analysis

\_\_\_\_\_ Corrosivity, Ignitability, Reactivity

\_\_\_\_\_ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Ray Haston  
Printed Name Ray Haston  
Title Environmental Coordinator  
Date 5-30-97

INSURANCE (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Form C-1  
Originated 4/1/80

Submit Orig  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97022 ~~96005~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 5-27-97 Verbal Approval Received: <input checked="" type="checkbox"/> Yes No By: DENNY FOUST	4. Generator ANIM GAS SERVICES
2. Management Facility Destination TIERRA ENVIRONMENTAL LANDFARM CROUCH MESA	5. Originating Site MANGUM #4
3. Address of Facility Operator 420 CR 3100 AZTEC NM	6. Transporter DIAMOND A CONST
7. Location of Material (Street Address or ULSTR) S-28, T-29N, R-11W	8. State New Mexico

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

RECEIVED  
MAY 28 1997  
OIL CON. DIV.  
DIST. 3

Soil from Earthen pit collected in the  
Dehydration process

Estimated Volume 100 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 5-27-97

TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny J. Foust TITLE Geologist DATE 5/28/97  
APPROVED BY Eric Busch TITLE L DATE \_\_\_\_\_

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-28T-29NR-11W1/4<sup>K</sup> 1/4 County 55 State N.M.  
Physical Address if appropriate: Mangum # 4

Source and description of waste:

Dehydration earthen pit, remediation

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Gary Cook representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is Exempt  
Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_

Signature Mary Cook  
Printed Name Gary Cook  
Title Environmental Coordinator  
Date 5/27/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3



District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

Form C-12  
Original 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97022 95807

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 5-27-97 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: Denny Foust	4. Generator ANM GAS SERVICES
2. Management Facility Destination TIERRA ENVIRONMENTAL LAND FARM CROFT MESA	5. Originating Site Mangum #1
3. Address of Facility Operator 420 CR 300 Aztec NM 87410	6. Transporter DIAMOND A CONST.
7. Location of Material (Street Address or ULSTR) S-29, T-29N, R-11W	8. State New Mexico

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soils collected from Dehydration process into an earthen pit.

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 100 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 5-27-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/28/97  
APPROVED BY Ernie Bush TITLE u DATE u

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-29 T-29N R-11W 1/4<sup>I</sup> 1/4 County San Juan State N.M.  
Physical Address if appropriate: Mangum #1 Mangum Rd. Blomfield

Source and description of waste:

Dehydrator earthen pit Remediation

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Gary Cook representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is \_\_\_\_\_ Exempt  
\_\_\_\_\_ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Gary Cook  
Printed Name Gary Cook  
Title Equipment Coordinator  
Date 5/27/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-1  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97020 96007

1. RCRA Exempt: <u>yes</u> Non-Exempt: <u>DATE: 5-13-97</u> Verbal Approval Received: <u>(Yes)</u> No By: <u>ERNIE BUSCH</u>	4. Generator <u>PNM GAS SERVICES</u>
2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LANDFARM</u>	5. Originating Site <u>RUPLE #2</u>
3. Address of Facility Operator <u>420 CR 3100 AZTEC NM 87410</u>	6. Transporter <u>DIAMOND A</u>
7. Location of Material (Street Address or ULSTR) <u>S-24, T-31N, R-11W</u>	8. State <u>NM</u>

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids From EARTHEN PIT  
CONTAINING DRIP LINE WASTE

RECEIVED  
MAY 28 1997  
OIL CON. DIV.  
DIST. 3

Estimated Volume 300 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

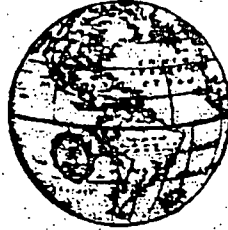
SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 5/13/97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Jant TITLE Geologist DATE 5/28/97  
APPROVED BY Ernie Busch TITLE " DATE "

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505)334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-24T-31N R-11W 1/4<sup>0</sup> 1/4 County SJ State N.M.  
Physical Address if appropriate: Ruple # 2

Source and description of waste:

Ruple # 2 waste pit

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Gary S. Cook representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Mary S. Cook  
Printed Name Gary S. Cook  
Title Environmental Coordinator  
Date 5/13/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

District I (505) 333-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM 1-97  
Original 4/18/97

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97020 96007

1. RCRA Exempt: <u>YES</u> Non-Exempt: <u>DATE: 5-13-97</u> Verbal Approval Received: <u>(Yes)</u> No By: <u>ERNE BUSCH</u>	4. Generator <u>PNM GAS SERVICES</u>
2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LAND FARM</u>	5. Originating Site <u>TURNER A #1</u>
3. Address of Facility Operator <u>420 CR 3100 AZTEC N.M. 87410</u>	6. Transporter <u>DIAMOND A</u>
7. Location of Material (Street Address or ULSTR) <u>S-34, T-31N, R-11W</u>	8. State <u>NM</u>
9. <u>Check One</u> <input checked="" type="radio"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job. <input type="radio"/> B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids from dehydrator waste pit.

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 300 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 5-13-97  
TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fout TITLE Geologist DATE 5/28/97  
APPROVED BY Ernie Busch TITLE \_\_\_\_\_ DATE \_\_\_\_\_

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505)334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-34 T-3/N R-11W 1/4<sup>C</sup> 1/4 County SJ State N.M.  
Physical Address if appropriate: Turner A#1

Source and description of waste:

Turner A#1 waste pit from delinquent

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I GARY S. COOK representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Gary S. Cook  
Printed Name GARY S. COOK  
Title Environmental Coordinator  
Date 5/13/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97020

<p>1. RCRA Exempt: <u>yes</u> Non-Exempt: _____ DATE: <u>5-13-97</u></p> <p>Verbal Approval Received: <u>(Yes)</u> No By: <u>EDWIE BUSCH</u></p>	<p>4. Generator <u>PNM GAS SERVICES</u></p>
<p>2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LAND FARM</u></p>	<p>5. Originating Site <u>TURNER #3</u></p>
<p>3. Address of Facility Operator <u>3420 CR 3100 Aztec N.M. 87410</u></p>	<p>6. Transporter <u>DIAMOND A</u></p>
<p>7. Location of Material (Street Address or ULSTR) <u>S-24, T31N, R-11W</u></p>	<p>8. State <u>NM</u></p>
<p>9. <u>Check One</u></p> <p>A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.</p> <p>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.</p>	
<p>All transporters must certify that the wastes delivered are only those consigned for transport.</p>	

BRIEF DESCRIPTION OF THE MATERIAL:

Solids from DEHYDRATION WASTE PIT

RECEIVED

MAY 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 200-400 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 5-13-97

TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faint TITLE Geologist DATE 5/28/97

APPROVED BY Edwied Busch TITLE \_\_\_\_\_ DATE \_\_\_\_\_

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-24T-31NR-11W 1/4 <sup>E</sup> 1/4 County SJ State N.M.  
Physical Address if appropriate: Turner #3

Source and description of waste:

Turner #3 waste pit

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I GARY S. COOK representative  
for PNM Gas Services

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Mary S. Cook  
Printed Name GARY S. COOK  
Title Environmental Coordinator  
Date 5/13/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3



## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97020 96005

1. RCRA Exempt: <u>yes</u> Non-Exempt: <u>DATE: 5-13-97</u> Verbal Approval Received: <u>(Yes)</u> No By: <u>EDNIE BUSCH</u>	4. Generator <u>PNM GAS SERVICES</u>
2. Management Facility Destination <u>TIGRA ENVIRONMENTAL LAND FARM</u>	5. Originating Site <u>SEXTON #1</u>
3. Address of Facility Operator <u>420 CR 3100 AZTEC N.M. 87410</u>	6. Transporter <u>DIAMOND A</u>
7. Location of Material (Street Address or ULSTR) <u>S-3, T 30N, R-11W</u>	8. State <u>NM</u>

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Soils From Dehydration  
Waste PitRECEIVED  
MAY 28 1997OIL CON. DIV.  
DIST. 3Estimated Volume 200-300 yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 5-13-97TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 5/28/97APPROVED BY Ednie Busch TITLE u DATE u

**420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410**



**P.O. DRAWER 15250**  
**FARMINGTON, NEW MEXICO 87401-5250**

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-3 T-30N R-11W 1/4 <sup>D</sup> 1/4 County ST State N.M.  
Physical Address if appropriate: Sexton #1

Sexton #1 waste pit

I Gary S. Cook representative  
for PNM Gas Services

The required documentation is hereto attached:

**Check appropriate line(s):**

☐ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

\_\_\_\_\_ I further certify that there has been no change in process employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Gary S. Cook  
Printed Name GARY S. COOK  
Title Environmental Coordinator  
Date 5/13/97

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

**District I** (505) 373-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
**District II** (505) 748-1283  
811 S. First  
Artesia, NM 88210  
**District III** (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
**District IV** (505) 827-7131

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

FORM C-130  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97019 96007

1. RCRA Exempt: <u>YES</u> Non-Exempt: _____ Verbal Approval Received: Yes <u>X</u> No _____ By: <u>DENNY FOUST</u>	4. Generator <u>SEG INTERESTS</u>
2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LAND FARM CROUCH MESA</u>	5. Originating Site <u>VERCE 33-9 # 5-2</u>
3. Address of Facility Operator <u>420 CR 3100 AZTEC, NM 87410</u>	6. Transporter
7. Location of Material (Street Address or ULSTR) <u>S-5 T-33N, R-9W NW 1/4 SE 1/4</u>	8. State

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

DRILLING MUD AND COAL FINES  
FROM RESERVE AFT CLOSURE  
(NO RECOVERABLE HYDROCARBONS)

RECEIVED  
MAY 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 160 BBL yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPECIALIST DATE 5-7-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/28/97  
APPROVED BY Erica Burch TITLE \_\_\_\_\_ DATE \_\_\_\_\_



## DEPARTMENT OF NATURAL RESOURCES

Roy Romer, Governor

1120 Lincoln St., Suite 801

Denver, CO 80203

Phone: (303) 894-2100

FAX: (303) 894-2109

## VIA FAX AND SURFACE MAIL

May 16, 1997

Mr. Phil Nobis  
Tierra Environmental Company Inc.  
P.O. Drawer 15250  
Farmington, NM 87401

RE: State Notification of Transportation of Drilling Mud and Coal Fines from  
Reserve Pit for Verce 33-9 #5-2 Well  
NW SE Section 5 T33N, R9W, NMPM, La Plata County, CO

Dear Mr. Nobis:

Thank you for notifying the Colorado Oil and Gas Conservation Commission (COGCC) of the transportation of waste drilling mud and coal fines from the above referenced well site to your facility in New Mexico. Certification may be required by the State of New Mexico Oil Conservation Division (NMOCD) from your company, the transporter, or the generator. Transport of this waste may be subject to other state and federal laws.

Sincerely,  
Colorado Oil and Gas Conservation Commission

Dorothy E. Baldwin  
Environmental Protection Specialist

cc: T. Beaver, COGCC - Manager of Environmental and Commission Affairs

## TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-S T-33NR-9W 1/4NW 1/4SE County Lapla State CO  
Physical Address if appropriate: VERGE 33-9 # 5-2 WELL

Source and description of waste:

DRILLING MUD / COAL Fines - EXEMPTDestination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.I Robert J. SAGLE representative  
for S.G. Interst I, LTDdo hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☐ MSDS Information sheet☐ RCRA TCLP Analysis☐ RCRA Metals Analysis☐ Corrosivity, Ignitability, Reactivity☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_Signature TV/SJLPrinted Name Robert J. SAGLETitle AGENTDate 5/6/97

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: <u>5-2-97</u> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> By: _____	4. Generator <u>CONOCO NGP</u>
2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LANDFARM</u>	5. Originating Site <u>#61 CR 4900</u>
3. Address of Facility Operator <u>420 CR 3100 Aztec NM 87410</u>	6. Transporter  
7. Location of Material (Street Address or ULSTR) <u>#61 CR 4900 Bloomfield NM San Juan</u>	8. State <u>NM</u>

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SCRUBBER WASTE from GAS PLANT (GAS TREAT)

**RECEIVED**  
MAY - 8 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 300 BBLs yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 280 BBLs yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE ENVIRONMENTAL SPEC. DATE 5-2-97  
 TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Deborah Kent TITLE Geologist DATE 5/12/97  
 APPROVED BY Ernie Busch TITLE Geologist DATE 5/12/97

## TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-    T-    R-    1/4    1/4    County San Juan State NM  
Physical Address if appropriate: 61 County Road 4900, Bloomfield, NM

## Source and description of waste:

Gas Treat 102 - Product is used to purify gas stream by removing  
CO2 and trace amounts of H2S.Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.I Terry L. Killian (Director - Environmental) representative  
for Conoco Inc. Natural Gas & Gas Products Department's  
San Juan Gas Processing Plantdo hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is XXXX Exempt  
Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☒ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since           Signature Terry L. Killian  
Printed Name Terry L. Killian  
Title Director - Environmental  
Date May 2, 1997RECEIVED  
May - 8 1997  
OIL CON. DIV.  
DIST. 3

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 03-31-97	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes No By: F. Chavez	PdM
2. Management Facility Destination	5. Originating Site
TERRA Environmental Company, INC.	SAMMONS #2
3. Address of Facility Operator	6. Transporter
#420 CR3100 Aztec NM 87410	Diamond D.
7. Location of Material (Street Address or ULSTR)	8. State
S-32, T-30N, R-12W unit G SAN JUAN	NM
9. Check One	
<p>(A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job.</p> <p>B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.</p>	
All transporters must certify that the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF THE MATERIAL: contaminated soils From Drip pit

RECEIVED  
APR 10 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 200 yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE Todd D. Nobis TITLE Environmental spec. DATE 03-31-97  
TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fent TITLE Geologist DATE 4/10/97  
APPROVED BY Ernie Burch TITLE Geologist DATE 4/10/97



**TIERRA ENVIRONMENTAL COMPANY Inc.**

**420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410**



**P.O. DRAWER 15250**  
**FARMINGTON, NEW MEXICO 87401-5250**

**PHONE (505) 334-8894    FAX (505)334-9024**

# "CERTIFICATE OF WASTE STATUS"

Originating Site: S-32 T-30N R-12W 1/4 <sup>6</sup> 1/4 County San Juan State N.M.  
Physical Address if appropriate: Sammons #2

**Source and description of waste:**

Contaminated So.1 From Drip pit

**Destination:** Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I GARY S. COOK representative  
for PNM

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) that the above described waste is   X   Exempt            Non-Exempt and that it has been identified as non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

MSDS Information sheet  
RCRA TCLP Analysis  
RCRA Metals Analysis  
Corrosivity, Ignitability, Reactivity

I further certify that there has been no change in process employed or chemicals stored / used at the facility generating the waste since

Signature Mary S. Cook  
Printed Name Mary S. Cook  
Title Executive Asst  
Date 3-31-97

P.O. Box 1940  
Hobbs, NM 88241-1980

**District II** (505) 748-1283  
811 S. First  
Artesia, NM 88210

**District III** (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410

**District IV** (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 03-31-97 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: F. Chavez	4. Generator Palm
2. Management Facility Destination Tierra Environmental Co. Inc. Landfarm	5. Originating Site Sammons DE
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Diamond D.
7. Location of Material (Street Address or ULSTR) S-32, T-30N, R-12W unit I SAN JUAN	8. State NM

9. Check One

- ☒ (A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: Contaminated soil from  
Drip pit.

**RECEIVED**  
APR 10 1997  
**OIL CON. DIV.**  
DIST. 3

Estimated Volume 200 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Todd P. Nobis TITLE Environmental Specialist DATE 03-31-97  
 TYPE OR PRINT NAME Todd P. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fent TITLE Geologist DATE 4/10/97  
 APPROVED BY Ernie Busch TITLE Geologist DATE 4/10/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-32 T-300 R-12 1/4 <sup>I</sup> 1/4 County San Juan State N.M.  
Physical Address if appropriate: Sammons # 28

Source and description of waste:

Contaminated Soil From Drip Pit

Destination: Tierra Landfarm Facility, 420 CR.3100, Aztec, San Juan Co. N.M.

I GARY S. COOK representative  
for PNM

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☐ MSDS Information sheet

☐ RCRA TCLP Analysis

☐ RCRA Metals Analysis

☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_

Signature: Mary S. Cook  
Printed Name GARY S. COOK  
Title Environmental Dept.  
Date 3-31-97

P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283  
811 S. First  
Artesia, NM 88210

District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 03-17-97	4. Generator
Verbal Approval Received: <u>(Yes)</u> No By: <u>D. Faust</u>	<u>Burlington Resources</u>
2. Management Facility Destination <u>Tierra Environmental Co. Inc.</u>	5. Originating Site <u>McGrath #4 SWD</u>
3. Address of Facility Operator <u>#400 CR 3100 Aztec NM 87410</u>	6. Transporter <u>CFM</u>
7. Location of Material (Street Address or ULSTR) <u>S-34, T-30N, R-12W McGrath SWD #4 SAN JUAN</u>	8. State <u>NM</u>

9. Check One

- ☒ (A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: Filtration of Incoming Fluids  
To the McGrath #4 SWD in section well. Sediment Sludge.

**RECEIVED**  
MAR 28 1997

**OIL CON. DIV.**

Estimated Volume 400 BBL yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 930 yd<sup>3</sup>

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE 03-17-97  
TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Felt TITLE Geologist DATE 4/1/97  
APPROVED BY Johnny Robinson TITLE Field Rep II DATE 4-1-97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505)334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S- 34 T- 30N R- 12W 1/4 1/4 County San Juan State NM

Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Filtration of incoming fluids to the McGrath SWD #4 injection well.  
Sediment Sludge.

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Craig A. Bock representative  
for Burlington Resources

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is X Exempt  
Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- MSDS Information sheet  
X RCRA TCLP Analysis  
X RCRA Metals Analysis  
X Corrosivity, Ignitability, Reactivity  
X I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since 10/24/96

Signature Craig A. Bock

Printed Name Craig A. Bock

Title Environmental Representative

Date 5/17/97

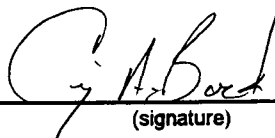
# Exempt Waste Manifest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and  
Environmental

1. Waste Location: Lease/Well No. McGrath SWD #4  
Sec. 34, Town. 30N, Range 12W
2. Volume: \_\_\_\_\_ Cubic Yards \_\_\_\_\_ Barrels \_\_\_\_\_ Gallons
3. Description of Waste: Filtered solids and oil mixed with soil.
4. Method of Waste Generation: Filtration on incoming fluids to  
the McGrath SWD #4 well.
5. Disposal Facility: Tierra
6. Disposal Cost: \$ 14.<sup>00</sup> / yd<sup>3</sup>
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

  
(signature)

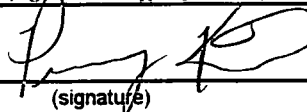
Date 3/17/97

MOI  
Representative

Transportation Company: C-F and M

Date(s) Transported: 3-18-97 3-19-97

MOI Representative on Site

  
(signature)

Date 3-19-97

Disposal Facility  
Complete and  
return to  
Meridian  
Safety and  
Environmental  
with invoice.

Date(s) Received: \_\_\_\_\_

Total Volume Received: \_\_\_\_\_

Waste Location : Cell/Grid No. \_\_\_\_\_

Received By : \_\_\_\_\_

(signature)

**Denny Foust**

---

**From:** Roger Anderson  
**To:** Denny Foust  
**Subject:** Meridian McGrath waste  
**Date:** Tuesday, November 26, 1996 11:29AM  
**Priority:** High

Phil is on the phone with me now. As I said over the phone, the waste will retain it's exemption if the non-exempt portion of the waste is non-hazardous or if the non-exempt portion of the waste is hazardous and the resulting mixture does not exhibit the same characteristic that made the non-exempt portion hazardous.

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****SUSPECTED HAZARDOUS  
& SOLID WASTE ANALYSIS**

Client:	Philip Environmental	Project #:	98038
Sample ID:	102498-01	Date Reported:	10-25-96
Lab ID#:	A713	Date Sampled:	10-24-96
Sample Matrix:	Sludge	Date Received:	10-24-96
Preservative:	Cool	Date Analyzed:	10-25-96
Condition:	Cool & Intact	Chain of Custody:	4987

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

**IGNITABILITY:** Did not ignite upon direct contact with flame.

**CORROSIVITY:** 7.32

**REACTIVITY:** Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

**RCRA Hazardous Waste Criteria**

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

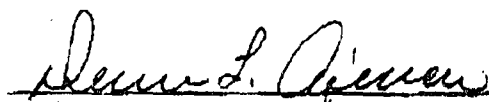
**IGNITABILITY:** Sample ignition upon direct contact with flame indicates hazardous waste status.


**CORROSIVITY:** pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

**REACTIVITY:** Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

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

**Comments:** McGrath 4 bwd.

  
Analyst

  
Review



**ENVIROTECH LABS****PRAGTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS**

Client:	Phillip Environmental	Project #:	96036
Sample ID:	102498-01	Date Reported:	10-29-96
Laboratory Number:	A713	Date Sampled:	10-24-96
Chain of Custody:	4987	Date Received:	10-24-96
Sample Matrix:	Sludge	Date Extracted:	10-25-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
(1,1-Dichloroethene	0.0071	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.6
Benzene	ND	0.0002	0.6
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.6
Tetrachloroethene	0.0067	0.0005	0.7
Chlorobenzene	0.0206	0.0003	100
1,4-Dichlorobenzene	0.0609	0.0002	7.5

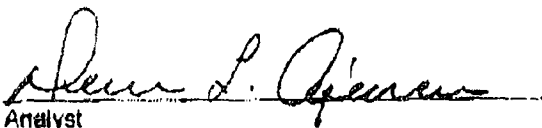
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	104%
	Bromofluorobenzene	96%

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: McGrath 4 bwd.

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 8040  
PHENOLS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	102496-01	Date Reported:	10-29-96
Laboratory Number:	A713	Date Sampled:	10-24-96
Chain of Custody:	4987	Date Received:	10-24-96
Sample Matrix:	Sludge	Date Extracted:	10-25-96
Preservative:	Cool	Date Analyzed:	10-28-96
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	0.079	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	96%
	2,4,6-Tribromophenol	98%


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. 198

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

Comments: McGrath 4 bwd.

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	Philip Environmental	Project #:	96038
Sample ID:	102498-01	Date Reported:	10-28-98
Laboratory Number:	A713	Date Sampled:	10-24-98
Chain of Custody:	4887	Date Received:	10-24-98
Sample Matrix:	Sludge	Date Extracted:	10-25-98
Preservative:	Cool	Date Analyzed:	10-28-98
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	8.0
Hexachloroethane	0.088	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	0.087	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	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. 1988.

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

Comments: McGrath 4 bwd.

Analyst

Review

# ENVIROTECH LABS

PRAGTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Philip Environmental	Project #:	98038
Sample ID:	102496-01	Date Reported:	10-29-98
Laboratory Number:	A713	Date Sampled:	10-24-98
Chain of Custody:	4987	Date Received:	10-24-98
Sample Matrix:	Sludge	Date Analyzed:	10-29-98
Preservative:	Cool	Date Extracted:	10-25-98
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.036	0.001	5.00
Barium	18.2	0.01	100
Cadmium	0.001	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.003	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

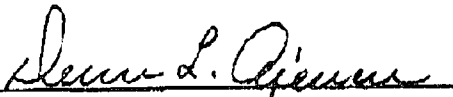
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.


Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7090, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

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

Comments: McGrath 4 bwd.

  
Analyst

  
Review

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street

Santa Fe, New Mexico 87505

(505) 827-7131

Submit Original

Plus 1 Copy

to appropriate

District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97006 96007

1. RCRA Exempt: ☒ Non-Exempt: DATE: 03-13-97Verbal Approval Received: ☒ Yes No By: D. Forest

4. Generator

Burlington Resources

2. Management Facility Destination

Tierra Environmental Co. INC. LANDFARM

5. Originating Site

SAN JUAN 30-6 SWD #3

3. Address of Facility Operator

#420 CR 3100 Aztec NM 87410

6. Transporter

CFI

7. Location of Material (Street Address or ULSTR)

S-22, T-30N, R6-W unit m Rio Arriba

8. State

NM

## 9. Check One

☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Coal Fines From a production TANK, coal Fines were produced through the well Bore.

RECEIVED  
MAR 14 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 10 yd<sup>3</sup>Known Volume (to be entered by the operator at end of haul): yd<sup>3</sup>

SIGNATURE

TODD D. NOBIS

TITLE

Environmental Specialist

DATE

03-13-97

TYPE OR PRINT NAME

TODD D. NOBIS

TELEPHONE NO.

(505) 334-8894

(This space for State Use)

APPROVED BY

Denny G. Kent

TITLE

Geologist

DATE

4/10/97

APPROVED BY

Erica Burch

TITLE

Geologist

DATE

4/10/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S 29 T 32N R 10W 1/4 SW 1/4 NW County San Juan State NM  
Physical Address if appropriate: N/A

Source and description of waste:

Cedar Hill SWD Facility. Sediment & sludge from the  
bottom of a collection tank for Class II fluids. Wastes are  
from an off lead tank which gravity feeds into the SWD  
tank Battery

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Craig A. Bock representative  
for Burlington Resources

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☐ MSDS Information sheet

☐ RCRA TCLP Analysis

☐ RCRA Metals Analysis

☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since 1.

Signature C. A. Bock

Printed Name CRAG A. BOCK

Title Environmental Representative

Date 3/4/97

**District I** (505) 334-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
**District II** (505) 748-1283  
811 S. First  
Artesia, NM 88210  
**District III** (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
**District IV** (505) 827-7131

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

Form C-13C  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 97004 ~~97007~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 02-26-97	4. Generator
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	CONOCO NGP
2. Management Facility Destination TIGRA Environmental LANDFARM	5. Originating Site #61 CR 4900
3. Address of Facility Operator 420 CR 3100 Aztec, NM 87410	6. Transporter Riley
7. Location of Material (Street Address or ULSTR) #61 CR 4900 Bloomfield NM SAN JUAN	8. State NM

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: SCRUBBER waste From Gas plant  
(Gas treat)

RECEIVED  
FEB 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 400 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 400 yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental specialist DATE 02-26-97  
TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 2/28/97  
APPROVED BY [Signature] TITLE Geologist DATE 4/10/97

## TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-\_\_\_ T-\_\_\_ R-\_\_\_ 1/4:\_\_\_ 1/4\_\_\_ County San Juan State NM  
Physical Address if appropriate: 61 County Road 4900, Bloomfield, NM 87413

## Source and description of waste:

Gas Treat 102 - Product is used to purify gas stream by removing  
CO2 and trace amounts of H2S.Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.I Terry Killian (Director - Environmental) representative  
for Conoco Inc. Natural Gas & Gas Products Department's  
San Juan Gas Processing Plantdo hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is XXX ExemptNon-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☒ MSDS Information sheet☐ RCRA TCLP Analysis☐ RCRA Metals Analysis☐ Corrosivity, Ignitability, Reactivity☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.Signature Terry L. Killian  
Printed Name Terry L. Killian  
Title Director of Environmental  
Date Feb. 26, 1997



P.O. Box 1940  
Hobbs, NM 88241-1980

District II (505) 748-1283  
811 S. First  
Artesia, NM 88210

District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410

District IV (505) 827-7131

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

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE** 95022 ~~95022~~

1. RCRA Exempt: <u>yes</u> Non-Exempt: _____ DATE: <u>3-10-97</u> Verbal Approval Received: <u>(Yes)</u> No By: <u>Denny Foust</u>	4. Generator <u>Basin Disposal</u>
2. Management Facility Destination <u>TIERRA ENVIRONMENTAL LANDFARM FACILITY</u>	5. Originating Site <u>#6 CR 5046</u>
3. Address of Facility Operator <u>420 CR 3100 AZTEC NM 87410</u>	6. Transporter <u>HARVEY JOHNSON ENT.</u>
7. Location of Material (Street Address or ULSTR) <u>#6 CR 5046 Bloomfield NM S-3, T-29N, R-11W SAN J</u>	8. State <u>New Mexico</u>

9. Check One

- ☒ (A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SOLIDS MIXED WITH SOIL FROM PRODUCED WATER INJECTION FACILITY  
NO RECOVERABLE HYDROCARBONS

**RECEIVED**  
MAR 13 1997

**OIL CON. DIV.**

Estimated Volume 400 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul) DIST. 3 yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 3-10-97  
 TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE 3/14/97  
 APPROVED BY Ernie Buehler TITLE Geologist DATE 5/17/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-3 T-29WR-11W1/4 1/4 County SAN JUAN State NM  
Physical Address if appropriate: #6 CR 5046 Bloomfield

Source and description of waste:

Solids mixed with soil From produced  
water injection Facility. no Recoverable  
Hydro-carbons

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Jimmy Barnes representative  
for Basin Disposal

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals Analysis
- ☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Jimmy Barnes  
Printed Name Jimmy L. Barnes  
Title Plant Manager  
Date 3-10-97

RECEIVED  
MAR 13 1997

OIL CON. DIV.  
DIST. 3

## New Mexico

## Energy Minerals and Natural Resources Department

## Oil Conservation Division

2040 South Pacheco Street

Santa Fe, New Mexico 87505

(505) 827-7131

Submit Original

Plus 1 Copy

to appropriate

District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

97001 96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 02-10-97	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	Four Four Inc.
2. Management Facility Destination	5. Originating Site NL BAYO, D.
Terra Environmental Co. Inc.	Houston TX
3. Address of Facility Operator	6. Transporter
H420 CR 3100 Aztec NM 87410	Four Four Inc.
7. Location of Material (Street Address or ULSTR)	8. State
5700 Hwy 64 (Largo Tank) Bloomfield NM 87413	NM

## 9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: unused drilling mud.

RECEIVED  
FEB 28 1997

OIL CON. DIV.  
DIST. 3

Estimated Volume 50 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 50 yd<sup>3</sup>

SIGNATURE T.D. Nobis TITLE Environmental Specialist DATE 02-10-97

TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Henry D. Fent TITLE Geologist DATE 2/28/97

APPROVED BY Glenn Bush TITLE Geologist DATE 2/28/97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-\_\_\_ T-\_\_\_ R-\_\_\_ 1/4\_\_\_ 1/4\_\_\_ County\_\_\_ State\_\_\_

Physical Address if appropriate:\_\_\_\_\_

Source and description of waste:

McBee Oil Co Box 1675 Houston, TX 77251  
Drill-bit (Drilling Fluid)

Used for local Boers Hwy 44 Bernalillo N.M.

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I Eddie Folk representative  
for Four Four Inc.

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

☒ MSDS Information sheet

☐ RCRA TCLP Analysis

☐ RCRA Metals Analysis

☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since \_\_\_\_\_

Signature Eddie Folk

Printed Name Eddie Folk

Title Supt.

Date Feb 10 - 97

# NL Baroid

## Environmental, Safety and Transportation Data Sheet

### QUIK-GEL

<b>I PRODUCT IDENTIFICATION</b>		
SUPPLIER NL BAROID	REGULAR TELEPHONE NO. (713) 987-5900 EMERGENCY TELEPHONE NO. (713) 987-4000	
ADDRESS P.O. BOX 1675 HOUSTON, TEXAS 77251		
TRADE NAME QUIK-GEL®		
GENERIC DESCRIPTION HIGH YIELD BENTONITE; SODIUM MONTMORILLONITE		
<b>II HAZARDOUS INGREDIENTS</b>		
MATERIAL OR COMPONENT	%	HAZARD DATA
SILICA 7631-86-9	2-6%	LOW CONCENTRATIONS OF
		CRYSTALLINE SILICA (SiO <sub>2</sub> )
		IN THE FORM OF QUARTZ,
		CRISTOBALITE, AND TRIDYMIT
		MAY BE PRESENT
		(SEE SECTION V)
<b>III PHYSICAL DATA</b>		
BOILING POINT (°F) NA	MELTING POINT NA	FREEZING POINT NA
SPECIFIC GRAVITY (H <sub>2</sub> O = 1) 2.5	VAPOR PRESSURE (mm Hg) NA	
VAPOR DENSITY (AIR = 1) NA	SOLUBILITY IN H <sub>2</sub> O, % BY WT. NA	
% VOLATILES BY VOL. NA	EVAPORATION RATE (BUTYL ACETATE = 1) NA	
APPEARANCE AND ODOR GREY, TAN POWDER	Density @ 20° C: 41.6 lbs/ft <sup>3</sup> (UNCOMPACTED)	
pH NA		

QUIK-GEL®

2

HEALTH HAZARD

0

FLAMMABILITY

0

REACTIVITY

Ratings based on NIOSH "Identification System for  
Occupationally Hazardous Materials" (1974)

NA = Not Applicable ND = Not Determined

All information, recommendations and suggestions herein concerning our product are based upon tests and data believed to be reliable, however, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by NL Petroleum Services, Inc. as to the effects of such use, the results

to be obtained, or the safety and toxicity of the product nor does NL Petroleum Services, Inc. assume any liability arising out of use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

# BEST Sheet

## IV FIRE AND EXPLOSION DATA

NOT FLAMMABLE OR EXPLOSIVE.

EXTINGUISHING MEDIA: WATER

## V HEALTH HAZARD INFORMATION

CARCINOGENICITY — SEE ROUTES OF EXPOSURE AND EFFECTS (BELOW)

ACUTE ORAL LD<sub>50</sub>

ND

ACUTE DERMAL LD<sub>50</sub>

ND

AQUATIC TOXICITY (LC<sub>50</sub>)

10,000 mg/l

### ROUTES OF EXPOSURE AND EFFECTS

THIS PRODUCT CONTAINS FREE CRYSTALLINE SILICA WHICH ACCORDING TO THE IARC HAS EXHIBITED LIMITED EVIDENCE OF CARCINOGENICITY IN HUMANS. PROLONGED INHALATION OF THE POWDER MAY RESULT IN SILICOSIS, A NONCANCEROUS LUNG DISEASE.

TLV FOR RESPIRABLE DUST

10 mg/m<sup>3</sup>

% RESPIRABLE QUARTZ + 2

TLV FOR "TOTAL DUST"

30 mg/m<sup>3</sup>

% QUARTZ + 3

IF CRISTOBALITE OR TRIDYMITE IS DETECTED, USE ONE-HALF THE VALUE CALCULATED FROM FORMULAE FOR QUARTZ

SKIN: POTENTIAL IRRITANT

EYES: IRRITANT

INHALATION: IRRITATION TO LUNGS, NOSE, AND THROAT; PROLONGED INHALATION  
MAY CAUSE LUNG INJURY, OR DISEASE

### EMERGENCY AND FIRST AID PROCEDURES

NORMAL PERSONAL HYGIENE.

# BEST Sheet

<b>VI REACTIVITY DATA</b>
CONDITIONS CONTRIBUTING TO INSTABILITY STABLE
INCOMPATIBILITY NONE
HAZARDOUS DECOMPOSITION PRODUCTS NONE
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION NONE
<b>VII SPILL OR LEAK PROCEDURES</b>
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED NORMAL HOUSEKEEPING; CAUSES SLIPPERY SURFACES WHEN WET.
NEUTRALIZING CHEMICALS NA
WASTE DISPOSAL METHOD DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
<b>VIII INDUSTRIAL HYGIENE CONTROL MEASURES</b>
VENTILATION REQUIREMENTS MECHANICAL, GENERAL ROOM VENTILATION USE LOCAL VENTILATION TO MAINTAIN TLV (SEE SECTION V)
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY USE A NIOSH APPROVED MECHANICAL FILTER RESPIRATOR FOR NONTOXIC DUSTS.
EYE SAFETY GLASSES, GOGGLES
GLOVES NONE REQUIRED
OTHER CLOTHING AND EQUIPMENT APRON, EYEWASH

# BEST Sheet

## IX SPECIAL PRECAUTIONS

### PRECAUTIONARY STATEMENTS

#### RECOMMENDED LABELING:

**FRONT PANEL:** CAUTION  
SEE BACK PANEL FOR CAUTION BEFORE USE.

**BACK PANEL:** CAUTION  
THIS PRODUCT CONTAINS FREE CRYSTALLINE SILICA WHICH ACCORDING TO THE IARC HAS EXHIBITED LIMITED EVIDENCE OF CARCINOGENICITY IN HUMANS. PROLONGED INHALATION OF THE POWDER MAY RESULT IN SILICOSIS, A NONCANCEROUS LUNG DISEASE. AVOID CREATING DUSTY CONDITIONS AND USE A NIOSH APPROVED DUST RESPIRATOR.

### OTHER HANDLING AND STORAGE REQUIREMENTS

STORE IN SHELTERED AREA OR COVER TO PROTECT FROM MOISTURE

### DEPARTMENT OF TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** NOT REGULATED

**PLACARDS:** NONE

**REPORTABLE QUANTITY:** NONE

**HAZARD CLASS:** NOT HAZARDOUS

**ID NUMBER:** NONE

**HAZARDOUS SUBSTANCE:** NONE

**LABEL:** NONE REQUIRED

PREPARED BY **NL Baroid**  
ENVIRONMENTAL SERVICES

DATE  
JUNE, 1988



District I (505) 334-0101  
P.O. Box 1940  
Hobbs, NM 88241-1980  
District II (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV (505) 827-7131

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

FORM C-130  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: yes Non-Exempt: DATE: 2-3-97

Verbal Approval Received: (Yes) No By: Denny Faust

4. Generator

Basin Disposal

2. Management Facility Destination

Tierra Environmental Landfarm Facility - Crouch mesa

5. Originating Site

#6 CR 5046 UNIT E9-F

3. Address of Facility Operator

421 CR 3100 Aztec NM 87410

6. Transporter

Harvey Johnson Enterprises

7. Location of Material (Street Address or ULSTR)

#6 CR 5046 Bloomfield NM S-3, T-29N, R-11W SANJUN

8. State

NEW Mexico

9. Check One

- A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate 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 analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids mixed with soil from waste water injection operations  
(No Recoverable hydrocarbons)

RECEIVED  
FEB - 5 1997

Estimated Volume 400 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 2-3-97  
TYPE OR PRINT NAME Blaine Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 2/5/97  
APPROVED BY Johnny Robinson TITLE Field Rep II DATE 2-5-97

TIERRA ENVIRONMENTAL COMPANY Inc.

420 COUNTY ROAD 3100  
AZTEC, NEW MEXICO 87410



P.O. DRAWER 15250  
FARMINGTON, NEW MEXICO 87401-5250

PHONE (505) 334-8894 FAX (505) 334-9024

"CERTIFICATE OF WASTE STATUS"

Originating Site: S- 3 T- 29N R- 11W 1/4 1/4 County SJ State NM  
Physical Address if appropriate: #6 CR 5046 Bloomfield NM

Source and description of waste:

Solids mixed with soil from waste water injection  
operations

Destination: Tierra Landfarm Facility, 420 CR 3100, Aztec, San Juan Co. N.M.

I TED HAMMONDS representative  
for Basin Disposal

do hereby certify that according to the Resource Conservation and Recovery Act (RCRA)  
that the above described waste is ☒ Exempt  
☐ Non-Exempt and that it has been identified as  
non-hazardous by characteristic analysis or by product identification as required.

The required documentation is hereto attached:

Check appropriate line(s):

- ☐ MSDS Information sheet  
☐ RCRA TCLP Analysis  
☐ RCRA Metals Analysis  
☐ Corrosivity, Ignitability, Reactivity

☐ I further certify that there has been no change in process employed or chemicals  
stored / used at the facility generating the waste since

Signature TED HAMMONDS  
Printed Name TED HAMMONDS  
Title ASST. MGR  
Date 2-3-97