

**NM1-10-A**

**C-138**

**Date: 1996**

**Tierra Land Farm**

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

96033

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 12-31-96	4. Generator
Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	CONOCO GAS Plant
2. Management Facility Destination	5. Originating Site
Tierra Environmental Company Inc Landfarm	#61 CR 4920 (Conoco plant)
3. Address of Facility Operator	6. Transporter
#420 CR 3100 Aztec NM 87410	
7. Location of Material (Street Address or ULSTR) SAN JUAN county	8. State
#61 CR 4920 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: Scrubber waste From Gas Plant  
(Gas Treat 102)

RECEIVED  
JAN 10 1997

OIL CON. DIV.  
DIST. 3

Held C-138 for reproducible certificate of waste.

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 B. Faust TITLE Geologist DATE 1/31/97  
APPROVED BY Elmer Burch TITLE Geologist DATE 1/31/97

**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: 61 County Rd 4920, Blainville, 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 \_\_\_\_\_.

Post-it brand fax transmittal memo 7671		# of pages = 1
To: Lewis	From: Tierra (Tedd)	
To: Conoco		
Date: 632-4930	Phone: 334-8859	
	Phone: 334-9024	

627-7907

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



## GAS TREAT 102

 -----  
 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:	UN/NA No.:	Labels Required:	DOT ER Guide No.:
6.1	UN 3139	OXIDIZER	45

## Proper Shipping Name/Description:

OXIDIZING SUBSTANCES, LIQUID, N.O.S., 6.1, UN 3139, PG II  
(SODIUM NITRITE)

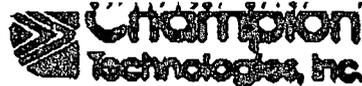
WG in lbs.	WG in gallons	pH:	Flash Point, F:	Pkg. Group:	IMDG Pg.No.:
250	22	8.8-9.3	NONE	II	5163

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

TOTAL P.06  
PAGE.005

OCT 31 '94 10:27

\*\* TOTAL PAGE.004 \*\*



MS 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 & 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:

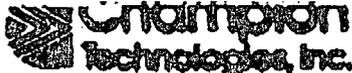
Human health effects of overexposure to this product by skin or eye contact may include skin irritation with discomfort or rash; or eye irritation with discomfort, tearing, or blurring of vision. Inhalation or ingestion may cause low blood pressure with headache, fainting, nausea, or weakness. This product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

EMERGENCY & 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

127

SECTION 1 - IDENTIFICATION

IBM 40088

Champion Technologies, Inc.  
 3190 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. Scharnack

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

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

\* Denotes a chemical subject to the reporting requirements of SARA Title III section 313 of 1986 and 40 CFR part 372.

SARA Title III Hazard Categories: 1, 3

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

SECTION 3 - PHYSICAL & 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 & EXPLOSION DATA

Flash Point, F & Method: NONE PMCC Flammable Limits: LEL, % ND UEL, % ND  
 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) 333-9101  
 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-150**  
 Originated 4/18/95

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: 12-23-96 Verbal Approval Received: <input checked="" type="radio"/> Yes <input type="radio"/> No By: D. Foust	4. Generator BASIN DISPOSAL
2. Management Facility Destination Tierra Environmental Co. Inc. LANDFARM	5. Originating Site #6 CR 5046
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter HJ. ent.
7. Location of Material (Street Address or ULSTR) #6 CR 5046 Bloomfield NM S-3, T-29W, R-11W. 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:

Solids mixed w/ soil from waste water in section process.  
 (No Recoverable Hydrocarbons)

**RECEIVED**  
 DEC 31 1996

**OIL CON. DIV.**

Estimated Volume 400 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE T.D. Nobis TITLE Environmental Specialist DATE 12-23-96  
 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 12/31/96  
 APPROVED BY Ernie Basch TITLE Geologist DATE 1/3/97

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- 29 R- 11W 1/4 1/4 County SAN JUAN State NM  
Physical Address if appropriate: #6 CR 5046 Bloomfield NM

Source and description of waste:  
Solids mixed with clean soil from waste water  
injection process (no recoverable hydrocarbons)  
40 loads

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

X I Collin Hart 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-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 \_\_\_\_\_

X Signature Collin D Hart  
X Printed Name Collin D Hart  
X Title Manager  
X Date 12-23-90

**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-130**  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96001 ~~96007~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 12-06-96 Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By:	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Co. Inc Landfarm	5. Originating Site McGrath SWD #4
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter CFEM
7. Location of Material (Street Address or ULSTR) S-34, T-30N, R-12W SAN JUAN county	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: Filtration of incoming Fluids  
 To the McGrath SWD #4, TANK Bottoms w/No Recoverable Hydrocarbons.

**RECEIVED**  
 DEC - 6 1996

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

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

SIGNATURE Todd A. Nobis TITLE Environmental Specialist DATE 12/06/96  
 TYPE OR PRINT NAME Todd A. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny Z. Fournier TITLE Geologist DATE 12/6/96  
 APPROVED BY Julio P. Busey TITLE Geologist DATE 12/6/96

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-34T-304R-12W14 1/4 County San Juan State NM  
Physical Address if appropriate: McGee SWD #4

Source and description of waste:

filtration of incoming fluids to the McGee SWD #4  
injection well. Sediment sludge

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

I Craig A. Beck 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 \_\_\_\_\_.

Signature C. A. Beck  
Printed Name Craig A. Beck  
Title Environmental Representative  
Date 12/5/96

## **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 #:	96036
Sample ID:	102406-01	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
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<b>IGNITABILITY:</b>	<b>Did not ignite upon direct contact with flame.</b>
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<b>CORROSIVITY:</b>	<b>7.32</b>
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<b>REACTIVITY:</b>	<b>Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).</b>
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## RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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<b>IGNITABILITY:</b>	<b>Sample ignition upon direct contact with flame indicates hazardous waste status.</b>
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<b>CORROSIVITY:</b>	<b>pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.</b>
---------------------	---

<b>REACTIVITY:</b>	<b>Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.</b>
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<b>Reference:</b>	<b>40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.</b>
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<b>Comments:</b>	<b>McGrath 4 bwd.</b>
------------------	-----------------------

*Devin L. Cramer*  
 Analyst

*Stacy W. Sandler*  
 Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS**

Client:	Philip 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	8.0
Carbon Tetrachloride	ND	0.0001	0.6
Benzene	ND	0.0002	0.6
1,2-Dichloroethane	ND	0.0001	0.6
Trichloroethene	ND	0.0003	0.6
Tetrachloroethene	0.0057	0.0005	0.7
Chlorobenzene	0.0208	0.0003	100
1,4-Dichlorobenzene	0.0609	0.0002	7.5

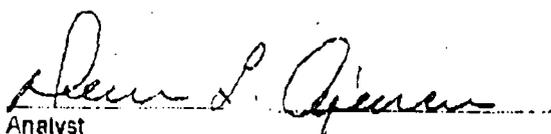
ND - Parameter not detected at the stated detection limit.

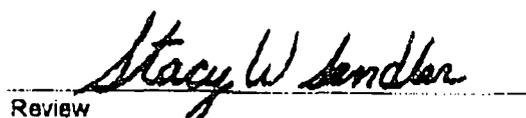
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	104%
	Bromofluorobenzene	96%

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:	102406-01	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 Extracted:	10-25-98
Preservative:	Cool	Date Analyzed:	10-28-98
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
2,4,6-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	98%
	2,4,6-Tribromophenol	98%

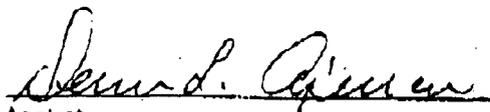
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

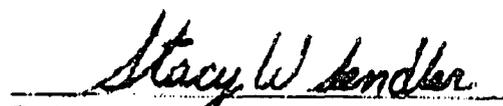
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 #:	96036
Sample ID:	102496-01	Date Reported:	10-28-96
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 and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
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. 1986.

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

Comments: McGrath 4 bwd.

*[Signature]*  
Analyst

*[Signature]*  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	Philip Environmental	Project #:	98038
Sample ID:	102498-01	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.

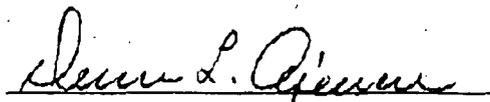
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

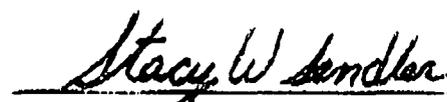
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 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: McGrath 4 bwd.

  
Analyst

  
Review



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-291R-11W 1/4 1/4 County SS State NM  
Physical Address if appropriate:

Source and description of waste:

Tank Bottoms mixed with soil.

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

I Ted Hammer 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 Hammer  
Printed Name Ted Hammer  
Title ASSY. MGR.  
Date 11-19-96

**District I** (505) 334-0101  
P.O. Box 1540  
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**

76043 ~~95557~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <b>DATE:</b> 11-11-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>By:</b> F. Chavez	4. Generator P.N.M.
2. Management Facility Destination Terry Environmental Co. Inc. Land Farm	5. Originating Site MANGUM # 1 E
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Diamond D.
7. Location of Material (Street Address or ULSTR) S-27, T-29N, R-11W unit F SAN JUAN	8. State NM
9. <u>Check One</u> <input checked="" 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 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:** contaminated soils from dehydration pit

**RECEIVED**  
NOV 13 1996

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

Estimated Volume 900 yd<sup>3</sup>      Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

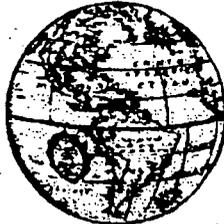
SIGNATURE [Signature]      TITLE Environmental Specialist      DATE 11-11-96  
TYPE OR PRINT NAME Todd P. Nobis      TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/13/96  
APPROVED BY [Signature] 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-27T-29N R-11W 1/4 1/4 County SAN JUAN State NM  
Physical Address if appropriate: unif F.

Source and description of waste:

MANGUM I E Contaminated Soils From Dehydration  
Pit.

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

I GARY COOK representative  
for P.N.M 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 Environmental Tech III  
Date 11-11-96

DISTRICT I (505) 334-6178  
 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

PUBLIC  
 (505) 827-7131  
 Submit C  
 Plus 1 C  
 to approp  
 District C

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 11-09-96 Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By:	4. Generator Burlington Resources
2. Management Facility Destination Terra Environmental Co. Inc LANDFARM	5. Originating Site Quinn Compressor station
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Philip Environmental
7. Location of Material (Street Address or ULSTR) S-16, T-31N, R-8W San Juan County	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. <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: Lube oil and Triethylene Glycol Contaminated soils, no Free Liquid.

**RECEIVED**  
 NOV 20 1996  
 OIL CON. DIV.  
 DIST. 3

**RECEIVED**  
 NOV 13 1996  
 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 O. NOBIS TITLE Environmental Specialist DATE 11-09-96  
 TYPE OR PRINT NAME Todd O. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Dennis G. Bent TITLE Geologist DATE 11/13/96  
 APPROVED BY Kodun Akunda TITLE Bureau Chief DATE 11/19/96

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 O-13  
 Originated 4/18/95  
 Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 11-08-96 Verbal Approval Received: Yes <input type="checkbox"/> <input checked="" type="checkbox"/> No By:	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Co. Inc Landfarm	5. Originating Site Quinn Compressor station
3. Address of Facility Operator # 420 CR 3100 Aztec NM 87410	6. Transporter Philip Environmental
7. Location of Material (Street Address or ULSTR) S-16, T-34N, R-8W San Juan County	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: Lube oil and Triethylene Glycol  
 Contaminated soils, no free liquid.

RECEIVED  
 NOV 13 1996  
 COPY  
 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 T.D. Nobis TITLE Environmental Specialist DATE 11-08-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Dennis G. Zant TITLE Geologist DATE 11/13/96  
 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

"CERTIFICATE OF WASTE STATUS"

Originating Site: S-1/2 T-3/4 R-81/4 1/4 County San Juan State NM  
Physical Address if appropriate: Quinn Compressor Station

Source and description of waste:  
Lube oil and Triethylene Glycol contaminated soil  
no free liquids

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

I CRAIG Bock representative  
for Burdington 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
- 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 10/18/96  
(Date of Sample)

Signature Craig Bock  
Printed Name CRAIG A. BOCK  
Title Environmental Representative  
Date 11/8/96

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****SUSPECTED HAZARDOUS  
& SOLID WASTE ANALYSIS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-21-96
Lab ID#:	A689	Date Sampled:	10-18-96
Sample Matrix:	Soil	Date Received:	10-18-96
Preservative:	Cool	Date Analyzed:	10-21-96
Condition:	Cool & Intact	Chain of Custody:	4963

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

**IGNITABILITY:** Did not ignite upon direct contact with flame.

**CORROSIVITY:** 7.34

**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
-----------	---------------------------

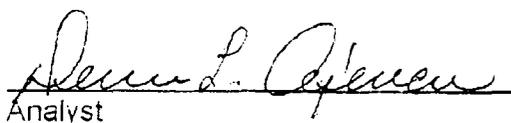
**IGNITABILITY:** Sample Ignition upon direct contact with flame indicates hazardous waste status.

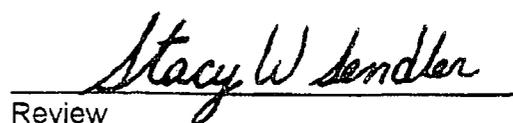
**CORROSIVITY:** pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

**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:** Quinn Compressor.

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-29-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
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	ND	0.0002	0.7
2-Butanone (MEK)	0.0115	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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	0.0060	0.0002	7.5

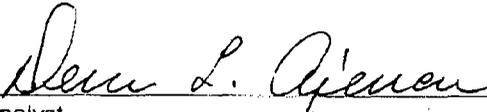
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	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: **Quinn Compressor.**

  
Analyst

  
Review

**ENVIROTECH LABS****EPA METHOD 8040  
PHENOLS****PRAGTICAL SOLUTIONS FOR A BETTER TOMORROW**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-29-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
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	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	95%
	2,4,6-Tribromophenol	101%

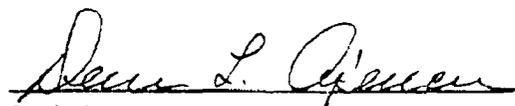
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: **Quinn Compressor.**

  
Analyst

  
Review

**ENVIROTECH LABS****PRAGTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA Method 8090  
Nitroaromatics and Cyclic Ketones  
TCLP Base/Neutral Organics**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-28-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
---------------------------	-----------	------------------

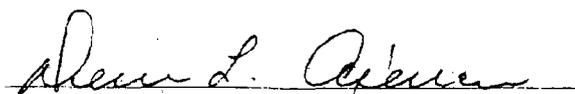
2-fluorobiphenyl

97%

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

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

Comments: Quinn Compressor.

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 1311  
TOXICITY CHARACTERISTIC  
LEACHING PROCEDURE  
TRACE METAL ANALYSIS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-22-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Analyzed:	10-22-96
Preservative:	Cool	Date Extracted:	10-21-96
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	1.53	0.01	100
Cadmium	0.006	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.007	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.

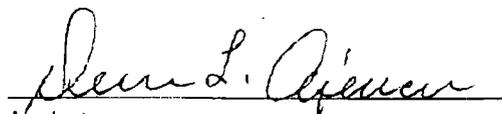
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

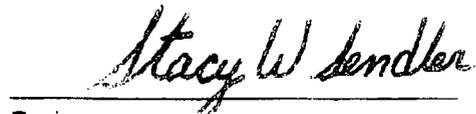
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

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: **Quinn Compressor.**

  
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:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	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	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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	96%
	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: QA/QC for samples A689, A706 and A713.

  
Analyst

  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96
		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	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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

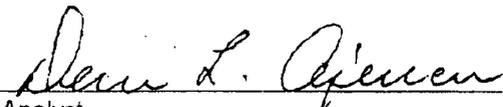
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	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 A689, A706 and A713.**

  
 Analyst

  
 Review

DISTRICT I (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 10-82  
 Submit to app District

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 96042**

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 11-08-96 Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By:	4. Generator Burlington Resource
2. Management Facility Destination Terra Environmental Co. Inc. Land Farm	5. Originating Site Quinn Compressor Station
3. Address of Facility Operator # 420 CR 3100 Aztec Nm 87410	6. Transporter Philip Environmental
7. Location of Material (Street Address or ULSTR) S-16, T-37N, R-8W San Juan County	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: Lube oil and Triethylene Glycol  
 Contaminated soils, no free liquid.

RECEIVED  
 NOV 20 1996  
 OIL CON. DIV.  
 DIST. 3

RECEIVED  
 NOV 13 1996  
 OIL CON. DIV.  
 DIST. 3

Estimated Volume 10 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_

SIGNATURE T.D. Nobis TITLE Environmental Specialist DATE 11-08-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Zent TITLE Geologist DATE 11/13/96  
 APPROVED BY Kyle R. ... TITLE Business Chief DATE 11/17/96

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-16-T-3WR-8W 1/4 1/4 County San Juan State NM  
Physical Address if appropriate: Quinn Compressor Station

Source and description of waste:

Lube oil and Triethylene Glycol contaminated soil  
no free liquids

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

I CRAIG 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
- 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 11/18/96  
(Date of Sample)

Signature Craig Bock  
Printed Name CRAIG A. BOCK  
Title Environmental Representative  
Date 11/18/96

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****SUSPECTED HAZARDOUS  
& SOLID WASTE ANALYSIS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-21-96
Lab ID#:	A689	Date Sampled:	10-18-96
Sample Matrix:	Soil	Date Received:	10-18-96
Preservative:	Cool	Date Analyzed:	10-21-96
Condition:	Cool & Intact	Chain of Custody:	4963

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

<b>IGNITABILITY:</b>	<b>Did not ignite upon direct contact with flame.</b>
----------------------	---

<b>CORROSIVITY:</b>	<b>7.34</b>
---------------------	-------------

<b>REACTIVITY:</b>	<b>Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).</b>
--------------------	---

## RCRA Hazardous Waste Criteria

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

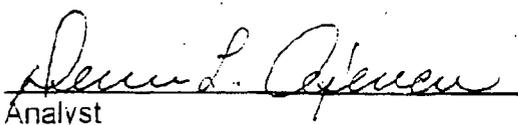
<b>IGNITABILITY:</b>	Sample Ignition upon direct contact with flame indicates hazardous waste status.
----------------------	--

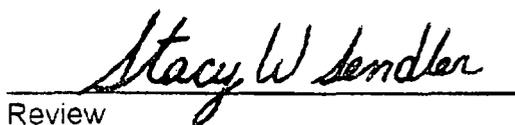
<b>CORROSIVITY:</b>	pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.
---------------------	--

<b>REACTIVITY:</b>	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:	<b>Quinn Compressor.</b>
-----------	--------------------------

  
Analyst

  
Review

# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

## EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-29-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
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	ND	0.0002	0.7
2-Butanone (MEK)	0.0115	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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	0.0060	0.0002	7.5

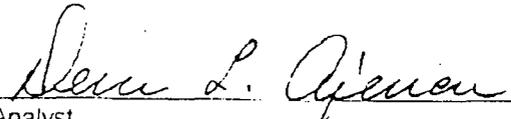
ND - Parameter not detected at the stated detection limit.

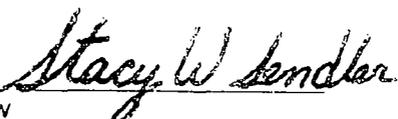
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	96%

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: **Quinn Compressor.**

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 8040  
PHENOLS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-29-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
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	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	95%
	2,4,6-Tribromophenol	101%

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

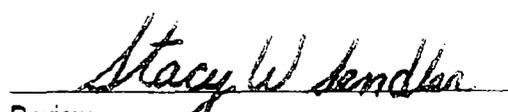
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste. SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste. SW-846, USEPA, Sept. 1992

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

Comments: **Quinn Compressor.**

  
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 #:	96036
Sample ID:	01	Date Reported:	10-28-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Extracted:	10-23-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

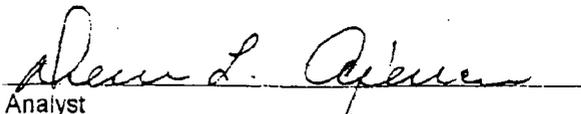
ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **Quinn Compressor.**

  
Analyst

  
Review

**ENVIROTECH LABS****PRACTICAL SOLUTIONS FOR A BETTER TOMORROW****EPA METHOD 1311  
TOXICITY CHARACTERISTIC  
LEACHING PROCEDURE  
TRACE METAL ANALYSIS**

Client:	Philip Environmental	Project #:	96036
Sample ID:	01	Date Reported:	10-22-96
Laboratory Number:	A689	Date Sampled:	10-18-96
Chain of Custody:	4963	Date Received:	10-18-96
Sample Matrix:	Soil	Date Analyzed:	10-22-96
Preservative:	Cool	Date Extracted:	10-21-96
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	1.53	0.01	100
Cadmium	0.006	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.007	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.

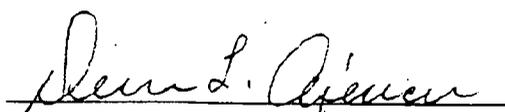
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

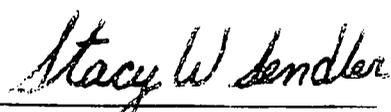
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

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: **Quinn Compressor.**

  
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:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	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	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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

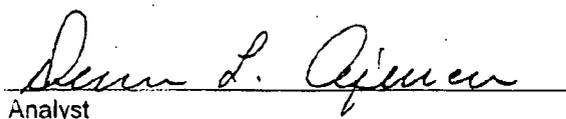
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	96%
	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: QA/QC for samples A689, A706 and A713.

  
Analyst

  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96
		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	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	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	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 A689, A706 and A713.

  
Analyst

  
Review

**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-130**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96044 ~~96042~~

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <b>DATE:</b> 11-11-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>By:</b> F. Chavez	4. Generator P. N. M
2. Management Facility Destination TERRA Environmental CO. INC LANDFARM	5. Originating Site MANGUM # 4
3. Address of Facility Operator # 420 CR3100 Aztec Nm 87410	6. Transporter Diamond O
7. Location of Material (Street Address or ULSTR) S-28, T-29N, R-11W unit K 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 soils from dewatering pit

**RECEIVED**  
NOV 13 1996

**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 O. Nobis TITLE Environmental specialist DATE 11-11-96  
TYPE OR PRINT NAME Todd O. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
APPROVED BY Denny G. Fount TITLE Geologist DATE 11/13/96  
APPROVED BY [Signature] 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-28T-29N R-11W 1/4 1/4 County SAN JUAN State NM  
Physical Address if appropriate: unit K

Source and description of waste:

MANGUM #4 - Contaminated Soils From Denudation  
Pit.

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

I GARY COOK representative  
for P.N.M. 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 Tech II  
Date 11-11-96

DISTRICT I (505) 473-0101  
 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-150  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

1. RCRA Exempt:      Non-Exempt:      DATE: <u>10-11-96</u> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No      By: <u>Denny Faust</u>	4. Generator <u>Basin Disposal</u>
2. Management Facility Destination <u>TERRA Environmental LANDFARM Facility - Crown Mesa</u>	5. Originating Site <u>#6 CR 5046 Alameda NM</u>
3. Address of Facility Operator <u>420 CR 3100 Aztec NM 87410</u>	6. Transporter <u>Harvey Johnson Enterprises</u>
7. Location of Material (Street Address or ULSTR) <u>S-3, T-29N, R-11W San Juan County</u>	8. State <u>NM</u>
9. <u>Check One</u> 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 produced water operations  
taken from settling tanks  
And mixed with soil to make  
Solid waste

**RECEIVED**  
 OCT 21 1996  
**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 Blaine Williams      TITLE Environmental Specialist      DATE 10-11-96  
 TYPE OR PRINT NAME BLAINE WILLIAMS      TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY Denny Faust TITLE Geologist DATE 10/28/96  
 APPROVED BY Frank Burch TITLE Geologist DATE 10/21/96

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- 29W R- 11W 1/4 1/4 County SJ State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

come from settling tanks mixed with soil to  
make solids

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 [Signature]  
Printed Name Ted Hammonds  
Title ASST. MGR.  
Date 10-14-96

RECEIVED  
OCT 21 1996  
OIL CON. DIV.  
DIST. 3

**District I** (505) 333-0100  
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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <b>DATE:</b> 09-26-96 Verbal Approval Received: <input checked="" type="radio"/> Yes <input type="radio"/> No <b>By:</b> F. Chavez	4. Generator BASIN DISPOSAL.
2. Management Facility Destination Terra Environmental Company ETC.	5. Originating Site S-3, T-29N, R-11W - unit E9F
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Harvey Johnson Enterprises
7. Location of Material (Street Address or ULSTR) S-3, T-29N, R-11W - unit E9F, #6 CR 5046 SAN JUAN County	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:** Solids From wastewater injection process, pre-mixed w/clean soil. (No Recoverable Hydrocarbons)

**RECEIVED**  
OCT - 9 1996

**OIL CON. DIV.**

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 O. Nobis      TITLE Environmental Specialist      DATE 09-26-96  
TYPE OR PRINT NAME Todd O. Nobis      TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny J. Fent TITLE Geologist DATE 10/10/96  
APPROVED BY Ernie Bush TITLE Geologist DATE 10/10/96

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 SAN JUAN State N.M.  
Physical Address if appropriate: UNITE 9F, #6 CR 5046, Bloomfield, N.M.

Source and description of waste:

Solids Generated from Saltwater Disposal  
Operations

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

I \_\_\_\_\_ 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 Don Lee  
Printed Name Don Lee  
Title Manager  
Date 9/26/96

**District I** (505) 333-1101  
P.O. Box 1940  
Hoobs, 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 U-130**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

<p>1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 10-08-96  Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: Ernie Busch</p>	<p>4. Generator  Burlington Resources</p>
<p>2. Management Facility Destination  Tierra Environmental Co. Inc. LANO Farm</p>	<p>5. Originating Site  Jillson #1 SWD</p>
<p>3. Address of Facility Operator  #420 CR 3100 Aztec Nm 87410</p>	<p>6. Transporter  Dawn Trucking</p>
<p>7. Location of Material (Street Address or ULSTR)  S-3, T-24N, R-3W Rio Arriba County</p>	<p>8. State  NM</p>
<p>9. <u>Check One</u></p> <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> <p>All transporters must certify that the wastes delivered are only those consigned for transport.</p>	

BRIEF DESCRIPTION OF THE MATERIAL: Sludge & sediment From SWD Facility  
W/ NO Recoverable Hydrocarbons (Tank Bottoms)

**RECEIVED**  
OCT - 9 1996

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

Estimated Volume 120 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 10-08-96  
TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 10/10/96  
APPROVED BY [Signature] TITLE Geologist DATE 10/10/96

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-24/R-30 1/4 1/4 County Rio Arriba State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:  
Sludge and sediment from the Tillson SWD #1

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

I Craig A. Beck 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 \_\_\_\_\_.

Signature Craig A. Beck  
Printed Name Craig A. Beck  
Title Environmental Representative  
Date 10/8/96

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 O-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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 10-02-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: E. Busch	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Co. INC Land Farm	5. Originating Site Jillson SWD #1
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter DAWN
7. Location of Material (Street Address or ULSTR) S-8, T-24N, R-3W Rio Arriba County	8. State NM
9. Check One <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: Sludge & sediment from Tank Bottoms

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 OCT - 8 1996  
 OIL CON. DIV.  
 DIST. 3

Different from 9/24/96

Estimated Volume 110 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Todd O. Nobis TITLE Environmental Specialist DATE 10-02-96  
 TYPE OR PRINT NAME Todd O. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY Dennis G. Furt TITLE Geologist DATE 10/8/96  
 APPROVED BY Eric Busch TITLE Geologist DATE 10/8/96

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 1/4 County Rio Arriba State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Sledge and sediment from the Tillson SWD #1  
\_\_\_\_\_  
\_\_\_\_\_

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

I Craig Beck 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 \_\_\_\_\_.

Signature Craig Beck  
Printed Name Craig A. Beck  
Title Environmental Representative  
Date 10/2/96

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: 9-24-96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: Denny Feust	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Landfarm	5. Originating Site Judson SWD #1 (Class II)
3. Address of Facility Operator 320 CR 3100 Aztec NM 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) S-8, T-24N, R-3W	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: SAND & sludge mix from gravity separator at injection well

RECEIVED  
SEP 26 1996

OIL CON. DIV.

Estimated Volume 80 bbls DIST. 3 Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 9-24-96  
TYPE OR PRINT NAME Rene Williams TELEPHONE NO. (505) 334-8894

(This space for State Use)  
APPROVED BY Denny Feust TITLE Geologist DATE 9/26/96  
APPROVED BY [Signature] TITLE Geologist DATE 9/26/96

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-24NR-30 1/4 1/4 County Rio Arriba State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:  
Sludge & sediment from <sup>the</sup> Jilison SWD #1 (class II)  
Separation Systems

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

I CRAEG A. Beck 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 \_\_\_\_\_.

Signature Craig A Beck  
Printed Name Craig A Beck  
Title Environmental Representative  
Date 9/24/96

RECEIVED  
SEP 26 1996

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 O-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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 09-23-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes    No    By: E. Bush	4. Generator Burlington Resources
2. Management Facility Destination Tierra Environmental Co. Inc Landfarm	5. Originating Site McGrath SWD
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter CFI M
7. Location of Material (Street Address or ULSTR) McGrath SWD #4 S-34, T-30N, R-12W San Juan County	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: Filtration media w/no Recoverable hydrocarbons (salt water disposal facility) and soils contaminated with same.

RECEIVED

SEP 26 1996

OIL CON. DIV.

DIST. 2

Estimated Volume 100 yds  
800 BBLs      Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE T.D. Nobis      TITLE Environmental Specialist      DATE 09-23-96  
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 9/26/96  
APPROVED BY Eric Bush      TITLE Geologist      DATE 9/26/96



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4 injection well. *Contaminated soil gravel mix*

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I, Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature *C. A. Bock*

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 9/20/96

RECEIVED  
SEP 26 1996  
OIL CON. DIV.  
DIST. 3

# 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 800 Barrels \_\_\_\_\_ Gallons
3. Description of Waste: Filtered solids and oil mixed with soil.  
Contaminated soil & gravel mixture.
4. Method of Waste Generation: Filtration on incoming fluids to  
the McGrath SWD #4 well.
5. Disposal Facility: Terra
6. Disposal Cost: \$ 14.00  
HS/yd.
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal \_\_\_\_\_

(signature)

Date 9/20/96

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_

(signature)

Date \_\_\_\_\_

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)

**RECEIVED**  
SEP 26 1996

**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-130  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007

<p>1. RCRA Exempt:          Non-Exempt:          DATE: 09-05-96  Verbal Approval Received: <u>Yes</u>          No          By: <u>D. Faust</u></p>	<p>4. Generator  <u>Basin Disposal</u></p>
<p>2. Management Facility Destination  <u>Terra Environmental Co. INC. LANDFARM</u></p>	<p>5. Originating Site  <u>#6 CR5046 BlmFild Nm</u></p>
<p>3. Address of Facility Operator  <u>#420 CR3100 Aztec Nm 87410</u></p>	<p>6. Transporter  <u>CFIM</u></p>
<p>7. Location of Material (Street Address or ULSTR)  <u>S-3, T-29N, R-11W, SW New county</u></p>	<p>8. State  <u>NM</u></p>
<p>9. <u>Check One</u></p> <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> <p>All transporters must certify that the wastes delivered are only those consigned for transport.</p>	

BRIEF DESCRIPTION OF THE MATERIAL:

Solids From wastewater injection process  
pre-mixed w/ clean soils. No Recoverable Hydrocarbons

**RECEIVED**  
SEP 10 1996  
**OIL CON. DIV.**  
DIST. 3

Estimated Volume 400 yd<sup>3</sup>          Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

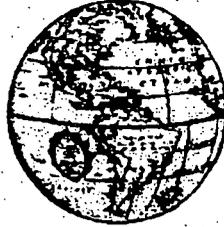
SIGNATURE *T. D. Nobis*          TITLE Environmental specialist          DATE 09-05-96  
TYPE OR PRINT NAME Todd D. Nobis          TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY *Denny G. Faust*          TITLE Geologist          DATE 9/11/96  
APPROVED BY *Ernie Bunch*          TITLE Geologist          DATE 9/12/96

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: <sup>29N 11W</sup> S-3 T-~~11R~~-~~27E~~ 1/4 County SAN JUAN State NM  
Physical Address if appropriate: Rd 5046

Source and description of waste:

Solids from wastewater injection process pre-mixed  
w/ clean soil, no recoverable hydrocarbons

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

I Ted Hammond 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 [Handwritten Signature]  
Printed Name Ted Hammond  
Title ASST. MGR.  
Date 9-4-96

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 Origin:  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

960036 96007

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 8/27/96	4. Generator
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: D. Foust	Burlington Resources
2. Management Facility Destination	5. Originating Site
Terry Environmental Co. Inc LAND Farm	Turner B com A #200
3. Address of Facility Operator	6. Transporter
#400 CR 3100 Aztec Nm 87410	SUNCO
7. Location of Material (Street Address or ULSTR)	8. State
Turner B com A #200 S-2 T-30-R-9 SAN JUAN.	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 compressor oil (see attached MSDS) This was removed as an emergency situation due to sheet wash across location.

RECEIVED  
SEP - 9 1996

RECEIVED  
AUG 28 1996

OIL CON. DIV.

OIL CON. DIV.

DIST. 3

DIST. 3

Estimated Volume 35 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 08-27-96

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

(This space for State Use)

APPROVED BY Jerry D. Foust TITLE Geologist DATE 8/28/96

APPROVED BY Roguel R. ... TITLE Barren Chief DATE 9/3/96

Hauled to containment due to flooding, sheet wash and mud  
Notified Bill Olson 8/28/96

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

960036 96007

1. RCRA Exempt: Non-Exempt: <input checked="" type="checkbox"/> DATE: 8/28/96	4. Generator Burlington Resources
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No By: D. Foust	5. Originating Site Turner B com A #200
2. Management Facility Destination Terry Environmental Co. Inc LAND FARM	6. Transporter Sunco
3. Address of Facility Operator #400 CR 3100 Aztec Nm 87410	7. Location of Material (Street Address or ULSTR) Turner B com A #200 S-2 T-30-R-9 SAN JUAN, 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 compressor oil (see Attached MSDS) This was removed as an emergency situation Due to sheet wash across location.

RECEIVED  
AUG 28 1996

Estimated Volume 35 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

OIL CON. DIV.  
DISTRICT 3

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE 08-27-96  
TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 8/28/96  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Hauled to containment due to flooding, sheetwash and mud.  
Notified Bill Olson, 8/28/96

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- BUR- 9 W/4 SW 1/4 SE County San Juan State New Mexico  
Physical Address if appropriate: N/A

Source and description of waste:

Soil Contaminated by unused (used) motor oil.  
Site: Turner Bldg. #200 well site.

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

I CRAIG A. Beck 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: MSDS was sent Prior. 8/27/96

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. Beck  
Printed Name CRAIG A. Beck  
Title Environmental Representative  
Date 8/28/96

FINA OIL & CHEMICAL COMPANY  
MATERIAL SAFETY DATA SHEET

PRODUCT: FINA CATCO GAS ENGINE OILS  
DATE OF ISSUE: 05-04-94  
SUPERCEDES: 03-11-93

PAGE 1 OF 3  
MSDS NUMBER: L 09  
PRODUCT CODE: 011340

SECTION 1 - IDENTIFICATION

MANUFACTURERS NAME: FINA OIL AND CHEMICAL CO.  
ADDRESS: P.O. BOX 2159, DALLAS, TX 75221  
TRADE NAME: FINA CATCO GAS ENGINE OILS  
CAS REGISTRY NUMBER: N.A.V.  
CHEMICAL FAMILY: HYDROCARBON MIXTURE  
OTHER: THIS MSDS COVERS ALL FINA CATCO AND CATCO PLUS GAS ENGINE OILS, INCLUDING SAE 30, SAE 40, AND SAE 15W-40

EMERGENCY TELEPHONE NUMBER: (409) 962-4421  
CHEMTREC TELEPHONE NUMBER: (800) 424-9300  
CHEMICAL NAME: N.A.P.  
CHEMICAL FORMULA: N.A.P.  
DOT IDENTIFICATION NUMBER: NA1270

SECTION 2 - HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	VOL %	TLV
NONE		

SECTION 3 - PHYSICAL DATA

BOILING POINT (DEG F): N.A.V.  
VAPOR PRESSURE (MMHG): N.A.V.  
VAPOR DENSITY (AIR=1): N.A.V.  
SOLUBILITY IN WATER: NEGLIGIBLE  
APPEARANCE AND ODOR: LIGHT BROWN COLOR, LUBE OIL ODOR

SPECIFIC GRAVITY (WATER=1): 0.88 - 0.90  
PERCENT VOLATILE (VOL%): N.A.V.  
EVAPORATION RATE: N.A.V.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 435+ DEG F (COC)  
FLAMMABLE LIMITS - LOWER: N.A.V. UPPER: N.A.V.

FIRE EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, HALON, WATER (FOG PATTERN)

SPECIAL FIRE FIGHTING PROCEDURES: AVOID INHALATION OF VAPORS.

UNUSUAL FIRE/EXPLOSION HAZARDS: COMBUSTIBLE LIQUID. DO NOT USE NEAR OPEN FLAME, ELECTRIC SPARKS OR ON HOT SURFACES.

N.E.=NOT ESTABLISHED, N.AP.=NOT APPLICABLE, N.A.V.=NOT AVAILABLE  
T.C.=LISTED TOXIC CHEMICAL UNDER SEC. 313 OF TITLE III OF SARA 1986

FINA OIL & CHEMICAL COMPANY  
MATERIAL SAFETY DATA SHEET

PRODUCT: FINA CATCO GAS ENGINE OILS

PAGE 2 OF 3

SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE  
N.E. OIL MIST = 5 MG/M3

(ACGIH)

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION	PULMONARY IRRITATION POSSIBLE (NORMALLY MINIMAL).
SKIN CONTACT & ABSORPTION	MINIMUM HAZARD; MAY CAUSE REDDENING OF THE SKIN.
EYE CONTACT	VAPORS MAY CAUSE SLIGHT SMARTING OF THE EYES IF PRESENT IN LARGE CONCENTRATIONS.
INGESTION	MINIMAL GASTROINTESTINAL IRRITATION; INCREASED FREQUENCY OF BOWEL PASSAGE MAY OCCUR.

EMERGENCY FIRST AID PROCEDURES

INHALATION	MOVE PERSON TO FRESH AIR. IF A LARGE AMOUNT HAS BEEN INHALED, KEEP VICTIM WARM AND GET MEDICAL ATTENTION. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION.
SKIN CONTACT & ABSORPTION	REMOVE AFFECTED CLOTHING. WASH WITH SOAP AND WATER
EYE CONTACT	WASH EYES WITH LARGE AMOUNTS OF WATER. IF REDNESS PERSISTS, GET MEDICAL ATTENTION.
INGESTION	DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

CHRONIC EFFECTS OF OVEREXPOSURE

SIGNS AND SYMPTOMS OF CHRONIC EXPOSURE RESEMBLE THOSE OF ACUTE EXPOSURE.

FINA OIL & CHEMICAL COMPANY  
MATERIAL SAFETY DATA SHEET

PRODUCT: FINA CATCO GAS ENGINE OILS

PAGE 3 OF 3

SECTION 6 - REACTIVITY DATA

STABILITY STABLE	CONDITIONS TO AVOID HEAT AND OPEN FLAMES
INCOMPATIBILITY (MATERIALS TO AVOID) STRONG OXIDIZERS	
HAZARDOUS DECOMPOSITION PRODUCTS CARBON DIOXIDE, CARBON MONOXIDE	CONDITIONS TO AVOID OXIDIZING MATERIALS
HAZARDOUS POLYMERIZATION WILL NOT OCCUR	

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	CONTAIN SPILL AND SAFELY STOP THE FLOW. EVACUATE ALL NON-ESSENTIAL PERSONNEL. ELIMINATE IGNITION SOURCES AND VENTILATE AREA.
WASTE DISPOSAL METHOD	RECOVER FREE LIQUID. TRANSFER MATERIAL TO AN APPROVED DISPOSAL AREA IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION EQUIPMENT

RESPIRATORY PROTECTION  
USE OF NIOSH-APPROVED RESPIRATORS RECOMMENDED FOR PROLONGED EXPOSURE.

PROTECTIVE CLOTHING  
CHEMICAL RESISTANT GLOVES RECOMMENDED WHEN CONTACT IS LIKELY.

EYE PROTECTION  
SPASH-PROOF GOGGLES OR SAFETY GLASSES

VENTILATION  
AVOID BREATHING MIST AND VAPORS. VENTILATE AS NEEDED.

OTHER PROTECTIVE EQUIPMENT  
N.A.P.

SECTION 9 - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	COMBUSTIBLE LIQUID. KEEP AWAY FROM FIRE, SPARKS, AND FLAME.
OTHER PRECAUTIONS	N.A.P.

LEGAL DISCLAIMER: WHILE THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, NO GUARANTEE IS MADE AS TO ITS ACCURACY OR COMPLETENESS. THE CONDITIONS OF USE, HANDLING, STORAGE, AND DISPOSAL, AND THE SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL. CONSEQUENTLY, ALL RISKS INVOLVING THE USE OF THE PRODUCT ARE ASSUMED BY THE USER. WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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

96033 96007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 08-22-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Faust	4. Generator Conoco
2. Management Facility Destination Terry Environmental Company Inc Landfarm	5. Originating Site Conoco Plant #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 87413	8. State Nm
9. Check One <input checked="" 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 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: SCRUBBER waste From ~~Gas~~ GAS Plant  
(Gas Treat 102 HAS MSDS ATTACHED)

RECEIVED  
AUG 28 1996

OIL CON. DIV.  
DIST. 3

Estimated Volume 400 BBL 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 08-23-96

TYPE OR PRINT NAME \_\_\_\_\_ TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 8/28/96

APPROVED BY [Signature] TITLE Geologist DATE 8/28/96

**TIERRA ENVIRONMENTAL COMPANY Inc.**

420 COUNTY ROAD 3100  
 AZTEC, NEW MEXICO 87410



P.O. DRAWER 15050  
 FARMINGTON, NEW MEXICO 87401-5250

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

**"CERTIFICATE OF WASTE STATUS"**

Originating Site: S-    T-    R-    114 114 County    State     
 Physical Address if appropriate: 61 County Rd 4900, Bloomfield, NM 87413

Source and description of waste:  
Gas from 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. NM

Chris Hanson (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 Hanson  
 Printed Name Chris Hanson  
 Title Environmental Engineer  
 Date 8/13/96

Form # brand fax transmittal memo 7071		# of pages = 1
To: <u>Levi's</u>	From: <u>Tierra (TENV)</u>	
By: <u>CONOCO</u>		
Date: <u>632-4900</u>	Phone: <u>334-8894</u>	
Fax: <u>632-4930</u>	Fax: <u>334-9024</u>	

627-9907

**District I** (505) 523-0101  
 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-150**  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96004

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 7/31/96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Faust	4. Generator meridian
2. Management Facility Destination Tierra Environmental Co. Inc. Landfill	5. Originating Site McRath SWD #4
3. Address of Facility Operator #400 CR 3100 Aztec NM 87410	6. Transporter CF & M
7. Location of Material (Street Address or ULSTR) S. 34. T. 30N. R. 6W SAN JUAN County	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: filtered solids and oil mixed with soil (drilling mud) From SWD. with no Recoverable Hydrocarbons.

RECEIVED

AUG - 5 1996

OIL CON. DIV.  
 DIST. 3

Estimated Volume 500 ~~3315~~ Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE 07-21-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny D. Faust TITLE Geologist DATE 8/21/96  
 APPROVED BY Eric Bush TITLE Geologist DATE 8/21/96



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

3349024

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4 injection well.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I, Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature C. A. Bock

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 7/20/86

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: 500 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: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in  
40 CFR 261.4.

Approval for Disposal

C. A. Banks  
(signature)

Date

9/30/98

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site

(signature)

Date

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)

**District I** (505) 523-0101  
 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-150**  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

95001 96001

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 07-22-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	4. Generator Meridian
2. Management Facility Destination Terra Environmental Co. Inc.	5. Originating Site McCreath #4 SWN
3. Address of Facility Operator #420 CR 3100 Aztec Nm 87410	6. Transporter CF&M
7. Location of Material (Street Address or ULSTR) Sec-34, T-30N, R12W San Juan County	8. State NM
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: TANK Bottoms collected in mud pits from salt water disposal facility.

**RECEIVED**  
 JUL 24 1996

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

Estimated Volume 400 <sup>8015</sup> <sub>yd<sup>3</sup></sub> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE TODD D. NOBIS TITLE Environmental Specialist DATE 07-23-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY Dennis G. Foust TITLE Geologist DATE 7/24/96  
 APPROVED BY Elaine Rasmussen TITLE \_\_\_\_\_ DATE \_\_\_\_\_



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory  
Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4  
injection well.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Craig A. Bock

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 7/17/96

# 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: 400 ~~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: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal C. A. Baker Date 7/17/96  
(signature)

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

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)

**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-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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 7-17-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: Denny Faust	4. Generator PUM GAS SERVICES (Amoco)
2. Management Facility Destination Tierra Environmental Landfarm - CROUCH MESA	5. Originating Site Jaquez #1
3. Address of Facility Operator 420 CR 3100 Aztec, NM 87410	6. Transporter DIAMOND D
7. Location of Material (Street Address or ULSTR) Unit M S-25, T-30N, R9W	8. State New Mexico
9. <u>Check One</u> <input checked="" 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 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: contaminated soil from drip pit

**RECEIVED**  
 JUL 18 1996

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

Estimated Volume 600 yd<sup>3</sup>

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

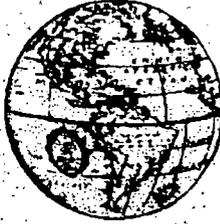
SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 7-17-96  
 TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 7/19/96  
 APPROVED BY Eric Busch TITLE Biologist DATE 7/19/96

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-25T-30NR-7W 1/4 1/4 County San Juan State NM

Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

Jacquez #1 Drip pit excavation of contaminated soils  
from Amoco operators

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

I Ray Haston representative

for PNM Gas Services

603 W EIM

Farmington NM 87401

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 Ray Haston

Printed Name Ray Haston

Title Environmental Technician II

Date 7-17-96

RECEIVED  
JUL 18 1996

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-130  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE** 95022 95007

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 07-11-96 Verbal Approval Received: <input checked="" type="radio"/> Yes <input type="radio"/> No By: D. Foust	4. Generator BASIN DISPOSAL
2. Management Facility Destination Terry Environmental Co. INC. LANDFARM	5. Originating Site #6 CR 5046
3. Address of Facility Operator # 400 CR 3100 Aztec NM 87410	6. Transporter JACQUEZ
7. Location of Material (Street Address or ULSTR) #6 CR 5046 Blmfd. S-3, T-29N, R-11W SAN JUAN	8. State NM
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 wastewater injection process pre-mixed w/ clean soil

**RECEIVED**  
 JUL 16 1996  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume 600 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 07-11-96  
 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 7/17/96  
 APPROVED BY Eric Bush 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- 3 T-29WR-11W 1/4 1/4 County SAN JUAN State NM  
Physical Address if appropriate: unit E F #6 CR 5046 Blmfld NM

Source and description of waste:  
Solids mixed with clean soil from waste water  
injection process

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

I, Don Lee 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 Don Lee  
Printed Name Don Lee  
Title mangr  
Date 7-11-96

RECEIVED  
JUL 16 1996  
OIL CON. DIV.  
DIST. 3

*N/A*

DISTRICT I (505) 748-0101  
 P.O. Box 1940  
 Lordsburg, NM 88241-1980  
 DISTRICT II (505) 748-1283  
 11 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  
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 (505) 827-7131

FORM C-130  
 Originated 4/18/95

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 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: 07-02-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes No By: C. Eustice	4. Generator Cooper / Meridian
2. Management Facility Destination Terra Environmental Co. Inc	5. Originating Site Buena Vista comp. Station
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Riley
7. Location of Material (Street Address or ULSTR) 14 miles east of Aztec, Buena Vista comp. Stat. SAN JUAN County	8. State NM

3. 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:

New compressor oil (Mobil Pegasus 89) spilled on ground.

**RECEIVED**  
 JUL 15 1996

**RECEIVED**  
 JUL 03 1996

OIL CON. DIV.  
 DIST. 3

OIL CON. DIV.  
 DIST. 3

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

NATURE M.D.N. TITLE Environmental Specialist DATE 07-02-96  
 NAME OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY Denny D. Faust TITLE Geologist DATE 7/3/96  
 APPROVED BY C. Eustice TITLE Geologist DATE 7/10/96

**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-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:      Non-Exempt: <input checked="" type="checkbox"/> <b>X</b> DATE: 07-02-96 Verbal Approval Received: <input checked="" type="checkbox"/> <b>Yes</b> No      By: C. Eustice	4. Generator Cooper / Meridian
2. Management Facility Destination Tierra Environmental Co. Inc.	5. Originating Site Buena Vista Comp. Station
3. Address of Facility Operator #420 CR 3100 Aztec NM 87410	6. Transporter Riley
7. Location of Material (Street Address or ULSTR) 14 miles east of Aztec, Buena Vista Comp. Stat.      SAN JUAN County	8. State NM
9. <u>Check One</u> 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:**

New compressor oil (Mobil Pegasus 89) spilled on ground.

**RECEIVED**  
JUL 03 1996

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

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

SIGNATURE M. D. Nobis      TITLE Environmental Specialist      DATE 07-02-96  
TYPE OR PRINT NAME Todd D. Nobis      TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Fout      TITLE Geologist      DATE 7/3/96  
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

## "CERTIFICATE OF WASTE STATUS"

Originating Site: S-    T-    R-    1/4 <sup>SW</sup> 1/4 County SAN JUAN State N.M.  
Physical Address if appropriate: 1/4 miles EAST OF AZTEC ON COUNTY RD  
HOOD (BUENA VISTA COMPRESSOR STATION)  
Source and description of waste:  
MOBIL OIL PEGASUS 89 SPILLED ON ROCKS AND DIRT  
THIS OIL IS NEW AND NOT USED

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

I STEVE HENDERSON representative  
for MERIDIAN OIL 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:

Post-It™ brand fax transmittal memo 7871		# of pages	1
To	<u>Steve</u>	From	<u>Phil</u>
Co.		Co.	
Dept.		Phone #	<u>334-8899</u>
Fax #	<u>325-5979</u>	Fax #	<u>334-9024</u>

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 [Signature]  
Printed Name STEVE HENDERSON  
Title SUPERVISOR MAINTENANCE SERVICES  
Date 7-2-96

**MOBIL**

605717-00 PAGE 1 OF 7

**MATERIAL SAFETY DATA BULLETIN****1. PRODUCT AND COMPANY IDENTIFICATION**

APPROVAL DATE: 09/08/94

PRODUCT NAME: MOBIL PEGASUS 89  
 SUPPLIER: MOBIL OIL CORP.  
 PRODUCTS AND TECHNOLOGY DEPT.  
 3225 GALLOWES RD.  
 FAIRFAX, VA 22037

24 - Hour Emergency (call collect): 609-737-4411  
 Product and MSDS Information: 800-662-4525 703-849-3265  
 CHEMTREC: 800-424-9300 202-483-7616

**2. COMPOSITION/INFORMATION ON INGREDIENTS****INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:**

This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 8 for exposure limits (if applicable).

**3. HAZARDS IDENTIFICATION**

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.  
 EFFECTS OF OVEREXPOSURE: No significant effects expected.  
 EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No. - NA

**4. FIRST AID MEASURES**

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.  
 SKIN CONTACT: Wash contact areas with soap and water.  
 INHALATION: Not expected to be a problem.  
 INGESTION: Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

**Mobil**

MOBIL PEGASUS 89

605717-00 PAGE 2 OF 7

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**5. FIRE-FIGHTING MEASURES**


---

**EXTINGUISHING MEDIA:** Carbon dioxide, foam, dry chemical and water fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

**SPECIAL PROTECTIVE EQUIPMENT:** For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None. Flash Point C(F): > 249(480) (ASTM D-92). Flammable limits - LEL: NA, UEL: NA.

**NFPA HAZARD ID:** Health: 0, Flammability: 1, Reactivity: 0

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide. Metal oxides. Elemental oxides.

---

**6. ACCIDENTAL RELEASE MEASURES**


---

**NOTIFICATION PROCEDURES:** Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

**PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:** Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spills from entering storm sewers or drains and contact with soil.

**PERSONAL PRECAUTIONS:** See Section 8

---

**7. HANDLING AND STORAGE**


---

**HANDLING:** No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

**STORAGE:** Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.



MOBIL PEGASUS 89

605717-00 PAGE 3 OF 7

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**


---

**VENTILATION:** No special requirements under ordinary conditions of use and with adequate ventilation.

**RESPIRATORY PROTECTION:** No special requirements under ordinary conditions of use and with adequate ventilation.

**EYE PROTECTION:** Normal industrial eye protection practices should be employed.

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

**EXPOSURE LIMITS:** This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m<sup>3</sup> is suggested for oil mist.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**


---

Typical physical properties are given below. Consult Product Data Sheet for specific details.

**APPEARANCE:** Liquid

**COLOR:** Amber

**ODOR:** Mild

**ODOR THRESHOLD:** NA

**pH:** 8.8

**BOILING POINT C(F):** 388(730)

**MELTING POINT C(F):** NA

**FLASH POINT C(F):** > 249(480) (ASTM D-92)

**FLAMMABILITY:** NA

**AUTO FLAMMABILITY:** NE

**EXPLOSIVE PROPERTIES:** NA

**OXIDIZING PROPERTIES:** NA

**VAPOR PRESSURE mmHg 20 C:** < 0.1

**VAPOR DENSITY:** > 2.0

**EVAPORATION RATE:** NA

**RELATIVE DENSITY, 15/4 C:** 0.89

**SOLUBILITY IN WATER:** Negligible

**PARTITION COEFFICIENT:** > 3.5

**VISCOSITY AT 40 C, cSt:** 121.5

**VISCOSITY AT 100 C, cSt:** 12.5

**POUR POINT C(F):** -26(-15)

**FREEZING POINT C(F):** NE

**VOLATILE ORGANIC COMPOUND:** EXEMPT IN U.S.

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

**Mobil**

MOBIL PEGASUS 89

605717-00 PAGE 4 OF 7

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**10. STABILITY AND REACTIVITY**


---

**STABILITY (THERMAL, LIGHT, ETC.):** Stable  
**CONDITIONS TO AVOID:** Extreme heat.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizers.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide. Metal oxides.  
 Elemental oxides.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

---



---

**11. TOXICOLOGICAL DATA**


---

---ACUTE TOXICOLOGY---

**ORAL TOXICITY (RATS):** Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

**DERMAL TOXICITY (RABBITS):** Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

**INHALATION TOXICITY (RATS):** Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

**EYE IRRITATION (RABBITS):** Practically non-irritating. (Draize score: greater than 6 but 15 or less).

**SKIN IRRITATION (RABBITS):** Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3).

**OTHER ACUTE TOXICITY DATA:** The acute toxicological results summarized above are based on testing of representative Mobil products. Representative Mobil formulations have shown no acute effects, administered via the inhalation route, when tested at maximum attainable oil mist or vapor concentrations.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Representative Mobil formulations have been tested at the Mobil Environmental and Health Sciences Laboratory by dermal applications to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

Dermal exposure of pregnant rats to representative formulations did not cause adverse effects in either the mothers or their offspring.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using the Mobil Modified Ames Test.

(Section continued next page)

**Mobil**

MOBIL PEGASUS 89

605717-00 PAGE 5 OF 7

## ---SENSITIZATION (SUMMARY)---

Representative Mobil formulations have not caused skin sensitization in guinea pigs.

## ---OTHER TOXICOLOGY DATA---

Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

-----  
12. ECOLOGICAL INFORMATION  
-----

ENVIRONMENTAL FATE AND EFFECTS: Not established.

-----  
13. DISPOSAL CONSIDERATIONS  
-----

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

-----  
14. TRANSPORT INFORMATION  
-----

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.



MOBIL PEGASUS 89

605717-00 PAGE 6 OF 7

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, and DSL.

EU Classification and Labeling: EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals reportable under SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
ZINC (ELEMENTAL ANALYSIS) (0.03%)	7440-66-6	22
PHOSPHORODITHIOIC ACID, O,O-DI	68649-42-3	22
CI-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.24%)		

--- REGULATORY LISTS SEARCHED ---

1 - ACGIH ALL	6 - IARC 1	11 - TSCA 4	17 - CA P65	22 - MI 293
2 - ACGIH A1	7 - IARC 2A	12 - TSCA 3e2	18 - CA RTK	23 - MN RTK
3 - ACGIH A2	8 - IARC 2B	13 - TSCA 5e	19 - FL RTK	24 - NJ RTK
4 - NTP CARC	9 - OSHA CARC	14 - TSCA 6	20 - IL RTK	25 - PA RTK
5 - NTP SUS	10 - OSHA 2	15 - TSCA 12b	21 - LA RTK	26 - RI RTK

Code key: CARC = Carcinogen; SUS = Suspected Carcinogen



MOBIL PEGASUS 89

609717-00 PAGE 7 OF 7

16. OTHER INFORMATION

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

USE: NATURAL GAS ENGINE OIL

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBs.

See container label for ingredient information.

\*\*\*\*\*  
For Mobil Use Only: MHC: 1\* 1\* 0\* 1\* 1\*, MPPEC: A, REQ: US -  
MARKETING  
\*\*\*\*\*

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

\*\*\*\*\*  
Prepared by: Mobil Oil Corporation  
Environmental Health and Safety Department, Princeton, NJ

**District I** (505) 333-0101  
 P.O. Box 1940  
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**District II** (505) 748-1283  
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**District IV** (505) 827-7131

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

**FORM C-130**  
 Originated 4/18/95

Submit Original  
 Plus 1 Copy  
 to appropriate  
 District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96007  
 226

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 06-24-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	4. Generator Schalk Development CO
2. Management Facility Destination Terra Environmental Company Inc. LANDFARM	5. Originating Site Schalk 54 #6
3. Address of Facility Operator #400 CR 3100 Aztec, Nm 87410	6. Transporter
7. Location of Material (Street Address or ULSTR) Schalk 54 #6 S-24, T-29N, R-5W Rio Arriba 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: material consists of calcium chloride & salt which accumulated over time in the bottom of an evaporation tank at this site.

**RECEIVED**  
 JUL 03 1996  
**OIL CON. DIV.**  
 DIST. 3

Estimated Volume 8 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE T. D. Nobis TITLE Environmental Specialist DATE 06-24-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny D. Foust TITLE Geologist DATE 7/3/96  
 APPROVED BY Erica Bush TITLE ✓ DATE 7/2

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-24 T-29N R-5W 1/4 1/4 County: ARR 34 State NM  
Physical Address if appropriate: \_\_\_\_\_

Source and description of waste:

SALK 54 #6 evaporation pit consisting of calcium chloride  
(SALT CAK BOTTOMS)

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

I John Ahlm II representative  
for SALK Development Co.

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: John A. Ahlm II  
Printed Name: John A. Ahlm II  
Title: office manager  
Date: 6-24-96

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

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Aztec, NM 87410  
District IV (505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96007

1. RCRA Exempt: Non-Exempt <input checked="" type="checkbox"/> DATE: 06-19-96	4. Generator
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By: Cary Williams Energy	5. Originating Site Apache Station Rio Arriba
2. Management Facility Destination Tierra Environmental Co. Inc.	5-33, T-25N, R-6W, SE 1/4
3. Address of Facility Operator #420 CR 3100 Aztec Nm 87410	6. Transporter Sunco
7. Location of Material (Street Address or ULSTR) Floc TANK AT #420 CR 3100 Aztec Nm 87410	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: TANK Bottoms w/no Recoverable Hydrocarbons From 10,000 BBL Storage TANK (crude oil)

RECEIVED  
JUN 28 1996

RECEIVED  
JUN 19 1996

OIL CON. DIV.  
DIST. 3

OIL CON. DIV.  
DIST. 3

Estimated Volume 350 BBLs Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE T.D. Nobis TITLE Environmental Specialist DATE 06-19-96  
TYPE OR PRINT NAME TOD D. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 6/19/96  
APPROVED BY [Signature] TITLE Geologist DATE 6/26/96

**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-150**  
 Originated 4/18/95

Submit Original  
 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: 06-19-96	4. Generator
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By: _____	COALY Williams Energy
2. Management Facility Destination Tierra Environmental Co. Inc.	5. Originating Site Apache Station Rio Arriba
3. Address of Facility Operator #420 CR 3100 Aztec Nm 87410	6. Transporter Sunco
7. Location of Material (Street Address or ULSTR) Flow TANK AT #420 CR 3100 Aztec Nm 87410	8. State NM

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BRIEF DESCRIPTION OF THE MATERIAL: TANK Bottoms w/No Recoverable Hydrocarbons  
 From 10,000 BBL Storage Tank (crude oil)

**RECEIVED**  
 JUN 19 1996

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

Estimated Volume 350 BBLS Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

SIGNATURE [Signature] TITLE Environmental Specialist DATE 06-19-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY [Signature] TITLE Geologist DATE 6/19/96  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Submit 5 copies to Appropriate District Office

**DISTRICT I**

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

**DISTRICT II**

P.O. Drawer DD, Artesia, NM 88211-0719

**DISTRICT III**

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-117 A  
Revised 4-1-91

PERMIT NO. \_\_\_\_\_

**TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT**

80202

Operator or Owner Gary Williams Energy Address 370 17th Suite 5300, Denver Colorado

Lease or Facility Name Apache Station Rio Riba County N.M. Location Sec. 33, T-25N, R-6N SE1/4  
U.L. - Sec. - Twp. - Rge.

**OPERATION TO BE PERFORMED:**

- Tank Cleaning
- Sediment Oil Removal
- Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Phillip C. Nobis - Tierra Environmental Co. Inc.

Date Work to be Performed October 4, 1995

**TANK CLEANING DATA** Tank Number \_\_\_\_\_ Volume \_\_\_\_\_

Tank Type \_\_\_\_\_ Volume Below Load Line \_\_\_\_\_

**SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA**

Sediment Oil from:  Pit  Cellar  Other Transportation facility cleaning

**MISCELLANEOUS OIL**

Tank Bottoms From:  Pipeline Station  Crude Terminal  Refinery  Other\*

Catchings From:  Gasoline Plant  Gathering Lines  Salt Water Disposal System  Other\*

Pipeline Break Oil or Spill

\*Other (Explain) \_\_\_\_\_

**VOLUME AND DESTINATION:**

Estimated Volume 200 Bbls. Field test volume of good oil \_\_\_\_\_ Bbls.  
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Tierra Environmental Landfarm 420 CR 3100  
Aztec, N.M. 87410

**DESTRUCTION OF SEDIMENT OIL BY:**

- Burning
- Pit Disposal
- Use on Roads or firewalls
- Other

(Explain) Landfarming

Location of Destruction Tierra Environmental Lanfarm

Justification of Destruction No recoverable oil

**CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner Gary Williams Energy

Transporter Sunco

By Phillip C. Nobis - Tierra Env. Co.

Address \_\_\_\_\_

Title Environmental Consultant

Signature \_\_\_\_\_

Date 10/11/95

Title \_\_\_\_\_ Date \_\_\_\_\_

**OIL CONSERVATION DIVISION**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OGD	
_____	Santa Fe
_____	File
_____	Operator
_____	Transporter (2)



TIERRA  
ENVIRONMENTAL  
COMPANY Inc.

P.O. DRAWER 15250  
FARMINGTON, NM 87401

January 18, 1996

Mr. Bill Olsen, Hydrogeologist  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

RE: APACHE JUNCTION CRUDE STATION

Dear Mr. Olsen:

I am in receipt of your letter dated January 10, 1996 regarding the above captioned location.

As contractor for Gary William's Energy, I apologize for the oversight on our part for not including the information you have requested in the original report.

All BTEX concentration levels at the site were obtained using a Thermo-Environmental Organic Vapor Meter, Model 580 B.

1. LACT Unit

Base of excavation:

LACT Pit # 1, 8' depth	14 ppm
LACT Pit # 2, 15' depth	70 ppm

2. Transfer Terminal

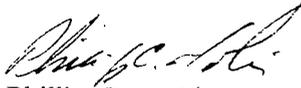
Base of test hole 24' level	139 ppm
-----------------------------	---------

With regard to the tank bottoms and sludges removed from the storage tank, they were transported to the Tierra Landfarm Facility and are presently stored in a frac tank. Verbal permission was received by me via telephone from Roger Anderson (OCD) to remove the material from the location and transport it to the Tierra Landfarm for temporary secure storage pending the initial analysis. It was my opinion that the material stored in a frac tank on location was not secure. The initial TCLP analysis taken of the material at Apache Station was obtained from raw material in the tank prior to tank cleaning operations and subsequent removal. The analysis received after the material was removed from location indicated benzene level's of the material exceeded OCD standards. A TCLP

analysis of the actual waste material presently stored in the frac tank at Tierra is being conducted. Recent field screening with the previously described OVM indicate that BTEX level's are with in parameters. When the TCLP analysis of the actual waste material is received by Tierra they will be forwarded to you and permission requested at that time to spread and treat the material at our landfarm facility.

If you have any qestions or require additional information, please call me.

Sincerely,



Phillip C. Nobis  
sident

Chris Hawley GWE  
D.Foust, OCD Aztec

OIL CONSERVATION DIVISION  
2040 S. Pacheco  
Santa Fe, New Mexico 87505

January 10, 1996

CERTIFIED MAIL  
RETURN RECEIPT NO. Z-765-962-537

Mr. Chris Hawley  
Gary Williams Energy  
Wynnewood Refining Company  
P.O. Box 305  
Wynnewood, Oklahoma 73098

**RE: APACHE JUNCTION CRUDE STATION**

Dear Mr. Hawley:

The New Mexico Oil Conservation Division (OCD) has reviewed Gary Williams Energy's (GWE) October 4 - October 31, 1995 "VOLUNTARY CLEAN-UP OF CRUDE OIL TRANSFER FACILITY, APACHE STATION SITE" which was submitted to the OCD on November 21, 1995 by their consultant Tierra Environmental Company, Inc. This document contains GWE's report on the investigation and remediation of crude contaminated soils at GWE's Apache Junction Crude Station located in the SE/4 of Sec. 33, T25N, R06W, NMPM, Rio Arriba County, New Mexico.

The investigation/remedial actions appear satisfactory. However, the OCD has the following comments and requests for information regarding the above referenced report:

1. The report does not include the benzene, toluene, ethylbenzene and xylene (BTEX) concentrations at the base of the excavation in the LACT unit area or at the 24 foot level of the test hole in the transfer area. Please provide the OCD with this information.
2. The report indicates that the tank bottoms from the crude storage tank were tested for RCRA hazardous waste characteristics and then with OCD verbal permission were transported to a frac tank at Tierra's OCD permitted landfarm facility. However, the report does not indicate what was ultimately done with these wastes. Please provide the OCD with the ultimate disposition of these wastes.

Mr. Chris Hawley  
January 10, 1996  
Page 2

Submission of the above requested information will allow the OCD to complete a review of the above referenced report.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

A handwritten signature in cursive script that reads "William C. Olson". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec Office  
Phillip C. Nobis, Tierra Environmental Corporation



CORE LABORATORIES

CORE LABORATORIES  
ANALYTICAL REPORT

Job Number: 952967  
Prepared For:

ONSITE TECHNOLOGIES LIMITED  
DAVE COX  
657 W. MAPLE  
FARMINGTON, NM 87401

Date: 10/18/95

Signature

*Judy Orr*

Date:

10/24/95

Name: Judy Orr

CORE LABORATORIES  
1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408

Title: QA/QC Coordinator



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.....: 4-1247

DATE SAMPLED.....: 10/04/95

TIME SAMPLED.....: 13:00

WORK DESCRIPTION...: TANK BOTTOM SLUDGE 8482-3523

LABORATORY I.D....: 952967-0001

DATE RECEIVED....: 10/09/95

TIME RECEIVED....: 10:30

REMARKS.....: SAMPLED BY: D.N.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
TCLP Semivolatiles		*5		EPA SW-846 8270	10/18/95	GEF
1,4-Dichlorobenzene	<50	50	ug/L	EPA SW-846 8270		
2,4-Dinitrotoluene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<50	50	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<50	50	ug/L	EPA SW-846 8270		
Hexachloroethane	<50	50	ug/L	EPA SW-846 8270		
Nitrobenzene	<50	50	ug/L	EPA SW-846 8270		
Pentachlorophenol	<250	250	ug/L	EPA SW-846 8270		
2,4,5-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<50	50	ug/L	EPA SW-846 8270		
Pyridine	<50	50	ug/L	EPA SW-846 8270		
p,m-Cresol	89	50	ug/L	EPA SW-846 8270		
o-Cresol	94	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	60	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	81	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	75	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	99	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	79	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	84	0	% Recovery	43-117% QC LIMITS		
TCLP Volatiles		*100		EPA SW-846 8260	10/17/95	QP
Benzene	4600	500	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<500	500	ug/L	EPA SW-846 8260		
Chlorobenzene	<500	500	ug/L	EPA SW-846 8260		
Chloroform	<500	500	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<5000	5000	ug/L	EPA SW-846 8260		
Trichloroethene	<500	500	ug/L	EPA SW-846 8260		
Vinyl chloride	<400	400	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<500	500	ug/L	EPA SW-846 8260		
Tetrachloroethene	1600	500	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<500	500	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	105	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	100	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	96	0	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	10/14/95	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	10/11/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	10/11/95	DGP
Arsenic (As), extractable TCLP	0.16	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/18/95

JOB NUMBER: 952967      CUSTOMER: ONSITE TECHNOLOGIES LIMITED      ATTN: DAVE COX

CLIENT I.D.: 4-1247      LABORATORY I.D.: 952967-0001  
 DATE SAMPLED: 10/04/95      DATE RECEIVED: 10/09/95  
 TIME SAMPLED: 13:00      TIME RECEIVED: 10:30  
 WORK DESCRIPTION: TANK BOTTOM SLUDGE 8482-3523      REMARKS: SAMPLED BY: D.N.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	2.42	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Lead (Pb), extractable TCLP	0.10	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Selenium (Se), extractable TCLP	0.13	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/17/95	GCC
Flash Point, closed cup	79		Deg. Farenheit	ASTM D-93	10/16/95	EBS
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/11/95	DEH
Corrosivity by pH	6.9	0.1	pH units	EPA SW-846 9045 C	10/17/95	SEB
Sulfide, Reactive	739	50	mg/kg	EPA SW-846 7.3.4.2	10/11/95	DEH
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	10/13/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/16/95	
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/11/95	GGP

1733 NORTH PADRE ISLAND DRIVE  
 CORPUS CHRISTI, TX 78408  
 (512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967      CUSTOMER: ONSITE TECHNOLOGIES LIMITED      ATTN: DAVE COX

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY

PARAMETER: Sulfide, Reactive      DATE/TIME ANALYZED: 10/11/95 06:30      QC BATCH NUMBER: 991684  
 REPORTING LIMIT/DF: 50      UNITS: mg/kg      METHOD REFERENCE : EPA SW-846 7.3.4.2      TECHNICIAN: DEH

BLANK	MB 101195	Di H2O	<50							
STANDARD	LCS	508.18.17	289			300	96			
SPIKE	MS	952965-1	269					<50	300	90
DUPLICATE	MD	952965-1	<50	<50	NC					

PARAMETER: Cyanide, Reactive      DATE/TIME ANALYZED: 10/11/95 06:30      QC BATCH NUMBER: 991699  
 REPORTING LIMIT/DF:      UNITS: mg/kg      METHOD REFERENCE : EPA SW-846 7.3.3.2      TECHNICIAN: DEH

BLANK	MB 101195	Di H2O	<5							
STANDARD	LCS	508.24.7	1.97			1.93	102			
SPIKE	PDS	952965-1	1.63					<5	1.88	87
DUPLICATE	MD	952965-1	<5	<5	0					

PARAMETER: Mercury (Hg), extractable, TCLP      DATE/TIME ANALYZED: 10/13/95 08:00      QC BATCH NUMBER: 992040  
 REPORTING LIMIT/DF: 0.002      UNITS: mg/L      METHOD REFERENCE : EPA SW-846 7470      TECHNICIAN: EBS

BLANK	MB	DiH2O	<0.002							
STANDARD	RS	367.49	0.018			0.020	90			
SPIKE	MS	952967-1	0.053					<0.002	0.050	106
DUPLICATE	MD	952967-1	<0.002	<0.002	NC					

PARAMETER: Flash Point, closed cup      DATE/TIME ANALYZED: 10/16/95 16:00      QC BATCH NUMBER: 992256  
 REPORTING LIMIT/DF:      UNITS: Deg. Farenheit      METHOD REFERENCE : ASTM D-93      TECHNICIAN: EBS

STANDARD	RS	p-Xylene	80			81	99			
DUPLICATE	MD	952909-1	75	76	1					

PARAMETER: Corrosivity by pH      DATE/TIME ANALYZED: 10/17/95 13:00      QC BATCH NUMBER: 992271  
 REPORTING LIMIT/DF: 0.1      UNITS: pH units      METHOD REFERENCE : EPA SW-846 90408      TECHNICIAN: SEB

STANDARD	LCS 4	386.20.32	7.04			7.00	101			
DUPLICATE	MD	952965-1	7.8	7.9	1					

PARAMETER: Arsenic (As), extractable TCLP      DATE/TIME ANALYZED: 10/17/95 12:57      QC BATCH NUMBER: 992294  
 REPORTING LIMIT/DF: 0.05      UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	Q0895	1.00			1.00	100			
STANDARD	CCV	1013C	5.05			5.00	101			
SPIKE	MS	953024-001	0.83					<0.05	1.00	83
DUPLICATE	MD	953024-001	<0.05	<0.05	NC					

PARAMETER: Barium (Ba), extractable TCLP      DATE/TIME ANALYZED: 10/17/95 12:57      QC BATCH NUMBER: 992295  
 REPORTING LIMIT/DF: 0.05      UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
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1733 NORTH PADRE ISLAND DRIVE  
 CORPUS CHRISTI, TX 78408  
 (512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967      CUSTOMER: ONSITE TECHNOLOGIES LIMITED      ATTN: DAVE COX

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES			
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	
PARAMETER: Barium (Ba), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 10/17/95 12:57 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992295 TECHNICIAN: GCC			

BLANK	MB	3005	<0.05							
STANDARD	ICV	70895	1.00			1.00	100			
STANDARD	CCV	1013C	5.02			5.00	100			
SPIKE	BS	952948-000	0.95					<0.05	1.00	95
DUPLICATE	MD	952991-001	0.12	0.13	0.01					

PARAMETER: Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 10/17/95 12:57 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992296 TECHNICIAN: GCC			
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BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	00895	1.03			1.00	103			
STANDARD	CCV	1013C	5.07			5.00	101			
SPIKE	MS	953024-001	0.91					<0.05	1.00	91
DUPLICATE	MD	953024-001	<0.05	<0.05	NC					

PARAMETER: Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 10/17/95 12:57 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992297 TECHNICIAN: GCC			
---	--	--	--	---	--	--	--	--	--	--	--

BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	00895	1.04			1.00	104			
STANDARD	CCV	1013C	5.08			5.00	102			
SPIKE	BS	952948-000	0.90					<0.05	1.00	90
DUPLICATE	MD	952991-001	<0.05	<0.05	NC					

PARAMETER: Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 10/17/95 12:57 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992298 TECHNICIAN: GCC			
---	--	--	--	---	--	--	--	--	--	--	--

BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	00895	1.06			1.00	106			
STANDARD	CCV	1013C	5.05			5.00	101			
SPIKE	MS	952948-000	0.90					<0.05	1.00	90
DUPLICATE	MD	952991-001	<0.05	<0.05	NC					

PARAMETER: Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 10/17/95 12:57 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992299 TECHNICIAN: GCC			
---	--	--	--	---	--	--	--	--	--	--	--

BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	00895	1.01			1.00	101			
STANDARD	CCV	1013C	5.00			5.00	100			
SPIKE	MS	953024-001	0.81					<0.05	1.00	81
DUPLICATE	MD	953024-001	<0.05	<0.05	NC					

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



CORE LABORATORIES

QUALITY ASSURANCE REPORT  
10/18/95

JOB NUMBER: 952967      CUSTOMER: ONSITE TECHNOLOGIES LIMITED      ATTN: DAVE COX

ANALYSIS			DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES			
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or ( A-B )	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER: Silver (Ag), extractable TCLP			DATE/TIME ANALYZED: 10/17/95 12:57			QC BATCH NUMBER: 992300				
REPORTING LIMIT/DF: 0.05 UNITS: mg/L			METHOD REFERENCE : SW-846 6010A			TECHNICIAN: SCC				
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	70895	0.95			1.00	95			
STANDARD	CCV	1013C	4.74			5.00	95			
SPIKE	BS	952948-001	0.86					<0.05	1.00	86
DUPLICATE	MD	952977-001	<0.05	<0.05	NC					

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260

QC NUMBER: 992279

### B L A N K S

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Vinyl chloride	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
1,1-Dichloroethene	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Methyl ethyl ketone	MB	100995	1	<50	50	ug/L
	MB	100995	1	<50	50	ug/L
Chloroform	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Carbon tetrachloride	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
1,2-Dichloroethane	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Benzene	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Trichloroethene	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Tetrachloroethene	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L
Chlorobenzene	MB	100995	1	<5	5	ug/L
	MB	100995	1	<5	5	ug/L

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCPL Volatiles

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260

QC NUMBER: 992279

### REFERENCE STANDARDS

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Vinyl chloride	CC	342.94.1	1	103	100	103	5	ug/L
1,1-Dichloroethene	CC	342.94.1	1	124	100	124	5	ug/L
Methyl ethyl ketone	CC	342.94.1	1	112	100	112	50	ug/L
Chloroform	CC	342.94.1	1	110	100	110	5	ug/L
Carbon tetrachloride	CC	342.94.1	1	122	100	122	5	ug/L
1,2-Dichloroethane	CC	342.94.1	1	129	100	129	5	ug/L
Benzene	CC	342.94.1	1	110	100	110	5	ug/L
Trichloroethene	CC	342.94.1	1	114	100	114	5	ug/L
Tetrachloroethene	CC	342.94.1	1	119	100	119	5	ug/L
Chlorobenzene	CC	342.94.1	1	114	100	114	5	ug/L
Dibromofluoromethane(Surrogate)	CC	342.94.1	1	47	50	94	5	ug/L
Toluene d-8 (Surrogate)	CC	342.94.1	1	51	50	102	5	ug/L
4-Bromofluorobenzene(Surrogate)	CC	342.94.1	1	52	50	104	5	ug/L

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/17/95 TIME ANALYZED: 16:44 METHOD: EPA SW-846 8260

QC NUMBER: 992279

### MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Vinyl chloride	MS	952965-1	1	930	0	1000	93	5	ug/L
	MSD	952965-1	1	950	0	1000	95	5	ug/L
1,1-Dichloroethene	MS	952965-1	1	1110	0	1000	111	5	ug/L
	MSD	952965-1	1	1160	0	1000	116	5	ug/L
Methyl ethyl ketone	MS	952965-1	1	1100	0	1000	110	50	ug/L
	MSD	952965-1	1	1070	0	1000	107	50	ug/L
Chloroform	MS	952965-1	1	1040	0	1000	104	5	ug/L
	MSD	952965-1	1	1080	0	1000	108	5	ug/L
Carbon tetrachloride	MS	952965-1	1	1110	0	1000	111	5	ug/L
	MSD	952965-1	1	1120	0	1000	112	5	ug/L
1,2-Dichloroethane	MS	952965-1	1	1280	0	1000	128	5	ug/L
	MSD	952965-1	1	1270	0	1000	127	5	ug/L
Benzene	MS	952965-1	1	970	0	1000	97	5	ug/L
	MSD	952965-1	1	1000	0	1000	100	5	ug/L
Trichloroethene	MS	952965-1	1	990	0	1000	99	5	ug/L
	MSD	952965-1	1	1000	0	1000	100	5	ug/L
Tetrachloroethene	MS	952965-1	1	950	0	1000	95	5	ug/L
	MSD	952965-1	1	980	0	1000	98	5	ug/L
Chlorobenzene	MS	952965-1	1	940	0	1000	94	5	ug/L
	MSD	952965-1	1	960	0	1000	96	5	ug/L
Dibromofluoromethane(Surrogate)	MB	100995-00	1	510	0	500	102	5	ug/L
	MB	100995-00	1	520	0	500	104	5	ug/L
Toluene d-8 (Surrogate)	MB	100995-00	1	500	0	500	100	5	ug/L
	MB	100995-00	1	500	0	500	100	5	ug/L
4-Bromofluorobenzene(Surrogate)	MB	100995-00	1	480	0	500	96	5	ug/L
	MB	100995-00	1	470	0	500	94	5	ug/L

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/18/95 TIME ANALYZED: 10:23 METHOD: EPA SW-846 8270

QC NUMBER: 992293

### B L A N K S

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
1,4-Dichlorobenzene	MB	101495	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	101495	1	<10	10	ug/L
Hexachlorobenzene	MB	101495	1	<10	10	ug/L
Hexachlorobutadiene	MB	101495	1	<10	10	ug/L
Hexachloroethane	MB	101495	1	<10	10	ug/L
Nitrobenzene	MB	101495	1	<10	10	ug/L
Pentachlorophenol	MB	101495	1	<50	50	ug/L
2,4,5-Trichlorophenol	MB	101495	1	<10	10	ug/L
2,4,6-Trichlorophenol	MB	101495	1	<10	10	ug/L
Pyridine	MB	101495	1	<10	10	ug/L
Cresols (Total)	MB	101495	1	<30	30	ug/L

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/18/95

JOB NUMBER: 952967

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/18/95 TIME ANALYZED: 10:23 METHOD: EPA SW-846 8270

QC NUMBER: 992293

### MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
1,4-Dichlorobenzene	BS	101495-00	1	180	0	250	72	10	ug/L
2,4-Dinitrotoluene	BS	101495-00	1	150	0	250	60	10	ug/L
Hexachlorobenzene	BS	101495-00	1	220	0	250	88	10	ug/L
Hexachlorobutadiene	BS	101495-00	1	180	0	250	72	10	ug/L
Hexachloroethane	BS	101495-00	1	170	0	250	68	10	ug/L
Nitrobenzene	BS	101495-00	1	180	0	250	72	10	ug/L
Pentachlorophenol	BS	101495-00	1	470	0	750	63	50	ug/L
2,4,5-Trichlorophenol	BS	101495-00	1	540	0	750	72	10	ug/L
2,4,6-Trichlorophenol	BS	101495-00	1	200	0	250	80	10	ug/L
Pyridine	BS	101495-00	1	190	0	500	38	10	ug/L
Cresols (Total)	BS	101495-00	1	520	0	750	69	30	ug/L

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673



# CORE LABORATORIES

## QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents :

- EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.
- USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.
- EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.
- Federal Register, July 1, 1992 (40 CFR Part 136).
- Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.

Quality control acceptance criteria are method dependent.

All data reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

NC = Not Calculated due to value at or below detection limit.

NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.

The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.

The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

## SUB CONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an "\*" and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

Core Laboratories :

Anaheim	*AN	Lake Charles	*LC
Aurora	*AU	Long Beach	*LB
Casper	*CA	Other Laboratories	*XX
Houston	*HP		

## QUALITY ASSURANCE REPORT CODES

BLANKS*	REFERENCE STANDARDS	SPIKES AND DUPLICATES
MB = Method Blank	RS = Reference Standard	MS = Matrix Spike, BS = Blank Spike
RB = Reagent Blank	CC = Continuing Calib.	SS = Surrogate Spike, MD = Matrix Dup.
SB = Storage Blank	LCS = Laboratory Control Std.	PDS= Post Digested Spike
ICB = Initial Calib. Blank	ICV = Initial Calib. Verification	MSD= Matrix Spike Duplicate
CCB = Continuing Calib. Blank	CCV = Cont. Calib. Verification	PDD= Post Digested Duplicate

\*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2673

# CHAIN OF CUSTODY RECORD

3524



Date: 10/5/95

Page 1 of 1

TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499  
LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase Order No.: <u>3523</u>		Job No. <u>4-1247</u>		REPORT RESULTS TO	Name <u>DAVID COX</u>		Title												
Name <u>ACCOUNTS PAYABLE</u>		Company <u>ON SITE</u>			Company <u>ON SITE TECH</u>														
Company <u>ON SITE</u>		Dept.			Mailing Address <u>657 W. MAPLE</u>														
Address <u>P.O. BOX 2606</u>					City, State, Zip <u>FARMINGTON, NM 87401</u>														
City, State, Zip <u>FARMINGTON, NM 87411</u>					Telephone No. <u>505 325 5667</u>		Telefax No. <u>505 325-6256</u>												
Sampling Location: <u>APACHE JUNCTION</u>				Number of Containers	ANALYSIS REQUESTED														
Sampler: <u>PM</u>					<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TELP VOL5</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TELP SEMI-VOL5</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TELP METAL</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">REACTIVITY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CORROSIVITY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">IGNITABILITY</div> </div>														
SAMPLE IDENTIFICATION		SAMPLE						LAB ID											
		DATE	TIME	MATRIX	PRES.														
<u>TANK BOTTOM SLUDGE</u>		<u>10/4/95</u>	<u>1300</u>	<u>SLUDGE</u>	<u>—</u>	<u>1</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>8482-3523</u>
<u>* RUSH ANALYSES</u>																			
Surrendered by: <u>[Signature]</u>				Date/Time <u>10/6/95 1700</u>				Received by: <u>DINA FLENER</u>				Date/Time <u>10/9/95 1030</u>							
Surrendered by:				Date/Time				Received by:				Date/Time							
Surrendered by:				Date/Time				Received by:				Date/Time							
Method of Shipment:				Rush <input checked="" type="checkbox"/>				24-48 Hours				10 Working Days				Special Instructions: <u>PLEASE FAX RESULTS ASAP</u>			
Authorized by: <u>[Signature]</u>				Date <u>10/6/95</u>															
				(Client Signature Must Accompany Request)															

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <u>Frank Chavez 2</u> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <del>DENNY FOUST</del> (Submitting this form for oilfield exempt waste is optional) DATE: <u>06-07-96</u>	4. Generator <u>Meridian</u>
2. Destination <u>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</u>	5. Name of Originating Site <u>McGrath #4 (SWD)</u>
3. Address of Facility Operator <u>420 CR. 3100 AZTEC, NM 87410</u>	6. Name of Transporter <u>CFM</u>
7. Originating Location of Material (Street Address or ULSTR) <u>McGrath #4 SWD S-34 T. 30N, R-12W, SAN JUAN County</u>	8. State <u>NM</u>
9. Check One <input checked="" 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 type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. 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. Projected Date(s) for transportation: <u>06-10-96</u>	

BRIEF DESCRIPTION OF THE MATERIAL: Filtration media w/no recoverable Hydrocarbons (Salt water Disposal Facility)

**RECEIVED**  
 JUN 18 1996  
 OIL CON. DIV.  
 DIST. 3

Estimated Volume 400 BBL'S ~~yd<sup>3</sup>~~ Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE T D Nobis TITLE Environmental Specialist DATE 06-07-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)  
 APPROVED BY Denny Faust TITLE Geologist DATE June 19, 1996  
 APPROVED BY Ernie Buech TITLE u DATE u

CONDITIONS OF APPROVAL, IF ANY:



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory  
Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4  
injection well.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Craig A. Bock

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 6/10/96

# 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 250 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: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. J. A. Bal  
(signature)

Date 6/10/96

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

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)

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <b>DENNY FOUST</b> (Submitting this form for oilfield exempt waste is optional) DATE: <u>06-17-96</u>	4. Generator <u>EI PASO Field services</u>
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Name of Originating Site <u>Lateral SA-2</u>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <u>SCAT</u>
7. Originating Location of Material (Street Address or ULSTR) <u>Lateral SA-2 Sec-1, T-29N, R-14W SAN JUAN county</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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.

C. 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.

Projected Date(s) for transportation: 06-18-96

BRIEF DESCRIPTION OF THE MATERIAL: Sludge From the Bottom of 100 BBL Drip TANK w/NO Recoverable Hydrocarbons

**RECEIVED**  
 JUN 18 1996  
**OIL CON. DIV.**  
 DIST. 3

Estimated Volume 3 8845 ~~yd<sup>3</sup>~~ Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE T.D.N. TITLE Environmental Specialist DATE 06-17-96  
 TYPE OR PRINT NAME Todd D. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE June 19, 1996  
 APPROVED BY [Signature] TITLE u DATE u

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
12205 E. Skelley Drive  
Tulsa, OK 74128  
918-437-6200

OPERATIONS OFFICE  
909 W. Apache  
Farmington, NM 87401  
505-325-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

LATERAL SA-2, 100 BBL DRIP TANK  
(SEC 1 T 29N R. 14W)

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: SLUDGE FROM BOTTOM OF DRIP TANK WHICH COLLECTS PIPELINE LIQUIDS.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I, SANDER D. MILLER  
representative for EL PASO FIELD SERVICES

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Sander D Miller

Title SUPERINTENDENT, OPERATIONS COMPLIANCE

Address PO BOX 4990, FARMINGTON, NM 87499

Date 6/13/96

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

96001

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 06-06-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust	4. Generator Meridian
2. Management Facility Destination Tierra Environmental Co. INC.	5. Originating Site McGrath SWD #4
3. Address of Facility Operator #420 CR 3100 Aztec Nm 87410	6. Transporter CFEM
7. Location of Material (Street Address or ULSTR) McGrath SWD #4 Sec 34, T-30N, R-12W SAN JUAN county	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: Filtered solids and oil mixed with soil

RECEIVED  
JUN 18 1996

OIL CON. DIV.  
DIST. 3

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 T.D. Nobis TITLE Environmental Specialist DATE 06-13-96

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

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE June 19, 1996

APPROVED BY Eric Bush TITLE  DATE



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401

(505) 325-0924

334-8894

Fax 334-9024

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4 injection well.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Craig A. Bock

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 6/10/96

# 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 400 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 Environmental
6. Disposal Cost: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal  Date 6/10/96  
(signature)

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

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)

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <sup>FRANK CHAVEZ</sup> DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 06-04-96	4. Generator RED willow Production Co
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site Southern Ute Walker S-10 WDW
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter EIM Trucking
7. Originating Location of Material (Street Address or ULSTR) Sec 10 - T32N - R11W	8. State CO.

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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.

C. 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.

Projected Date(s) for transportation: 6-5 - 6-6-96

BRIEF DESCRIPTION OF THE MATERIAL:

PRODUCED WATER AND PARAFFIN MIXED WITH SOIL FROM A WATER INJECTION HOLDING TANK.

RECEIVED  
 JUN 14 1996

OIL CON. DIV.  
 DIST. 3

Estimated Volume 70 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 6-4-96

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/17/96

APPROVED BY Ernie Burch TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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-10 T-32NR-11W 1/4 1/4 County LA PLATA State CO  
Physical Address if appropriate: N/A

Source and description of waste:

SOIL CONTAMINATED WITH PRODUCED WATER AND PARAFFIN  
FROM HOLDING TANK AT WATER DISPOSAL

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

I ROBERT JEFFERSON representative  
for RED WILLOW PRODUCTION CO.

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

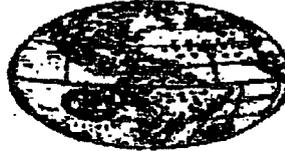
Corrosivity, Ignitability, Reactivity

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

Signature [Signature]  
Printed Name ROBERT JEFFERSON  
Title OPERATIONS MANAGER  
Date JUNE 7, 1996

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 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: WAIKOA 5-10 WDW SEC 10-T3EN-R1W

by:

Generator: Red Willow Production Company

As a representative of;

Regulatory

Agency: Bureau of Land Management

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: Terry Halloway Title: Acting Staff Chief Petroleum Engineering Tech

Signature: Terry Halloway Date: 4 Jun 96

Phone: 970-247-4874 Fax: 970-385-1375

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: 5-17-96	4. Generator
Verbal Approval Received: <u>Yes</u> No By: DENNY FOUST	REA WILLOW PRODUCTION CO.
2. Management Facility Destination TIERRA ENVIRONMENTAL Co. Inc. CROUCH MESA LANDFILL	5. Originating Site 4-1 WWA
3. Address of Facility Operator 420 CR 3100 AZTEC, N.M. 87410	6. Transporter HOCKER CONSTRUCTION
7. Location of Material (Street Address or ULSTR) S-1, T-33N, R-10W	8. State 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: PRODUCED WATER AND PARAFFIN MIXED WITH SOIL

RECEIVED  
MAY 30 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume 50 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 5-17-96  
TYPE OR PRINT NAME BLAINE WILLIAMS TELEPHONE NO. (505) 334-8894

(This space for State Use)  
APPROVED BY Denny G. Faust TITLE Geologist DATE 5/31/96  
APPROVED BY Eric Bush 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-1 T-33NR-10 W14 1/4 County La Plata State Colo  
Physical Address if appropriate: N/A

Source and description of waste:

overflow of produced water and Partin from  
holding tank at disposal well

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

I ROBERT JEFFERSON representative  
for RED WILLOW PRODUCTION CO.

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 Robert Jefferson  
Printed Name ROBERT JEFFERSON  
Title OPERATIONS MANAGER  
Date MAY 13, 1996

RECEIVED  
MAY 30 1996  
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-150**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96021 ~~96007~~

1. RCRA <u>Exempt</u> : Non-Exempt: DATE: 05-10-96 Verbal Approval Received: <u>Yes</u> No By: D. Foust	4. Generator Fuelco
2. Management Facility Destination Tierra Environmental Co. Inc. LANDFARM	5. Originating Site CLARK 4-1
3. Address of Facility Operator # 420 CR 3100 Aztec Nm 87410	6. Transporter Dawn Trucking
7. Location of Material (Street Address or ULSTR) S-4, T-33N, R-11W, NE 1/4, SE 1/4 LAPATA CO.	8. State <del>ATA</del> CO

**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: production TANK Bottom Solids.

**RECEIVED**  
MAY 14 1996  
**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 05-10-96  
TYPE OR PRINT NAME \_\_\_\_\_ TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 5/17/96  
APPROVED BY [Signature] 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-4 T-331R-1111 1/4 NE 1/4 SE County La Plata State CO  
Physical Address if appropriate: CLARK 4-1

Source and description of waste:

Solids from production - Tank Bottoms

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

X I Russell Knight representative  
for Fuel Resources Development Co.

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):

N/A

- 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 Russell Knight  
Printed Name Russell Knight  
Title Contract Field Supervisor  
Date 5-10-96

May 10, 1996

Todd Nobis  
Tierra Environmental Company Inc.  
420 CR 3100  
Aztec, NM 87410

Re: State Notification of Transportation of Waste From the Clarke  
#4-1, NE SE Section 4, Township 33 N, Range 11 W, La Plata  
County, Colorado.

Dear Mr. Nobis:

Thank you for notifying the Colorado Oil and Gas Conservation  
Commission (COGCC) of the transportation of waste 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,



Loren E. Avis  
Environmental Protection Specialist  
COGCC



DEPARTMENT OF NATURAL RESOURCES  
Roy Romer, Governor  
1120 Lincoln St., Suite 801  
Denver, CO 80203  
Phone: (303) 894-2100  
FAX: (303) 894-2109

**RECEIVED**  
MAY 16 1996

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

May 10, 1996

Todd Nobis  
Tierra Environmental Company Inc.  
420 CR 3100  
Aztec, NM 87410

Re: State Notification of Transportation of Waste From the Clarke  
#4-1, NE SE Section 4, Township 33 North, Range 11 West, La  
Plata County, Colorado.

Dear Mr. Nobis:

Thank you for notifying the Colorado Oil and Gas Conservation Commission (COGCC) of the transportation of waste 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,

Loren E. Avis  
Environmental Protection Specialist  
COGCC

cc Frank Chavez NMOCD

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <u>FRANK CHAVEZ</u> <small>(Submitting this form for oilfield exempt waste is optional)</small> DATE: _____	Generator <u>MERIDIAN OIL Co.</u>
2. Destination <u>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</u>	5. Name of Originating Site <u>McGeath #4</u>
3. Address of Facility Operator <u>420 CR. 3100 AZTEC, NM 87410</u>	6. Name of Transporter <u>CF3M</u>
7. Originating Location of Material (Street Address or ULSTR) <u>S-34, T-30N R-12W</u>	8. State <u>NEW MEXICO</u>
9. Check One <input checked="" 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 type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. 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. Projected Date(s) for transportation: <u>April 22, 1996</u>	

BRIEF DESCRIPTION OF THE MATERIAL:

TANK bottoms collected in mud pits from  
SALT WATER DISPOSAL

**RECEIVED**  
APR 26 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Blaine Williams TITLE Environmental Specialist DATE 4-22-96

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

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 4/26/96

APPROVED BY Ernie Busch TITLE u DATE 4/30/96

CONDITIONS OF APPROVAL, IF ANY:

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:

Waste is separated oily sludges from incoming fluids.  
All fluids being injected @ McGrath SWD #4 are exempt.

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

I: CRAIG BOCK representative  
for Mission Oil 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 C. A. Bock  
Printed Name CRAIG A. BOCK  
Title Environmental Representative  
Date 4/22/96

RECEIVED  
APR 26 1996

ENV. CON. DIV.  
DIST. 3

125

# Exempt Waste Manifest

## Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and  
Environmental

1. Waste Location: Lease/Well No. McGrath SWD #4
2. Volume: \_\_\_\_\_ Cubic Yards \_\_\_\_\_ Barrels \_\_\_\_\_ Gallons
3. Description of Waste: Separated Sludges from incoming fluids.
4. Method of Waste Generation: Solids & oils are separated from incoming fluids & stored in this tank
5. Disposal Facility: Tierra
6. Disposal Cost: \$ 16 / BBL
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

G. A. Boh.  
(signature)

Date 4/22/96

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site

(signature)

Date \_\_\_\_\_

Disposal Facility

Complete and

return to

Meridian

Safety and

Environmental

with invoice.

Date(s) Received: April 22, 1996

Total Volume Received: 560 BBLs

Waste Location : Cell/Grid No. Tierra Landfarm Facility Cell #2

Received By : Blaine Williams

(signature)

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. <u>RCRA Exempt:</u> Non-Exempt: DATE: 04-30-96 Verbal Approval Received: <u>Yes</u> No By: <u>D. Faust</u>	4. Generator <u>Bayless</u>
2. Management Facility Destination <u>Tierra Environmental Co. INC LANDFARM</u>	5. Originating Site <u>North Ridge # 2</u>
3. Address of Facility Operator <u>#420 CR 3100 Aztec NM</u>	6. Transporter <u>SCAT</u>
7. Location of Material (Street Address or ULSTR) <u>S-3 T-29 R-13 1/4 SW 1/4 NW SAN JUAN.</u>	8. State <u>NM</u>

9. Check One

- X 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: 2 BBLS of free sand from well blowers (solid)

RECEIVED  
MAY - 3 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume 2 BBLS  Known Volume (to be entered by the operator at end of haul): 2 BBLS.

SIGNATURE T.D.N. TITLE Environmental Specialist DATE 04-30-96  
TYPE OR PRINT NAME Todd D. Nobis (Terra) TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 5/6/96  
APPROVED BY Frank Burt 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-3 T-29 R-13 114 SW 114 NW County SAN JUAN State NEW MEXICO  
Physical Address if appropriate: NORTHERIDGE #2 GAS WELL

Source and description of waste:

FRAC SAND FROM WATER TANK BOTTOM ASSOCIATED WITH A GAS WELL

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

I TOM MCCARTHY representative  
for ROBERT L. BAYLESS

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

N/A

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

Signature [Signature]  
Printed Name TOM MCCARTHY  
Title PETROLEUM ENGINEER  
Date 4/30/96

Post-It™ brand fax transmittal memo 7671		# of pages • /
To <u>TOM MCCARTHY</u>	From <u>Phil</u>	
Co.	Co. <u>TIERRA</u>	
Dept.	Phone # <u>334-8894</u>	
Fax # <u>326-6911</u>	Fax # <u>334-9024</u>	

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: 05-02-96 Verbal Approval Received: <input checked="" type="checkbox"/> Yes No By: D. Foust	4. Generator BASIN DISPOSAL
2. Management Facility Destination Tierra Environmental CO. ENCLAMPA #420 CR3100	5. Originating Site #6 CR 5046
3. Address of Facility Operator #420 CR 3100	6. Transporter CFM
7. Location of Material (Street Address or ULSTR) #6 CR 5046 Bloomfield S-3 T-29N- R11W SAN JUAN	8. State NM
9. Check One <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 waste water injection process pre-mixed w/ clean soil.

RECEIVED  
MAY - 3 1996

OIL CON. DIV.  
DIST. 3

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

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

SIGNATURE Todd O. Nobis TITLE ENV. Specialist DATE 05-02-96

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

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 5/6/96  
APPROVED BY Ernie Busch 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- 3 T-29N R-11W 1/4 1/4 County SAN JUAN State NM

Physical Address if appropriate: unit E F #6 CR 5046 Blmfd. NM

Source and description of waste:

solids premixed with clean soil from waste water injection process

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

I Don Lee 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 Don Lee  
Printed Name DON LEE  
Title Manager  
Date 5-2-96

N/A

RECEIVED  
MAY - 3 1996  
OIL CON. DIV.  
BUREAU 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-150**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

96019 ~~96087~~

<p>1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 05-06-96  Verbal Approval Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No By: D. Foust</p>	<p>4. Generator  Sunco</p>
<p>2. Management Facility Destination  Tierra environmental co. INC LANDFARM</p>	<p>5. Originating Site  Sunco Disposal</p>
<p>3. Address of Facility Operator  #420 CR 3100 Aztec NM.</p>	<p>6. Transporter  Sunco</p>
<p>7. Location of Material (Street Address or ULSTR) SAN JUAN county  345 RD 3500 S-2, T-29N, R12-W, 1/4 SW, 1/4 NW</p>	<p>8. State  NM</p>
<p>9. <u>Check One</u></p> <p><input checked="" 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.</p> <p><input 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> <p>All transporters must certify that the wastes delivered are only those consigned for transport.</p>	

**BRIEF DESCRIPTION OF THE MATERIAL:**

Pond sludge, sediment From disposal pond.

**RECEIVED**  
MAY - 7 1996

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

Estimated Volume 1000 yd<sup>3</sup>

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

SIGNATURE T.D. Nobis TITLE Environmental Specialist DATE 05-06-96

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 5/8/96

APPROVED BY Eric Burel 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-2 T-29-NR-~~92~~<sup>12-W</sup> 1/4 SW 1/4 NW County SAN JUAN State N.M.  
Physical Address if appropriate: SUNCO DISPOSAL CROUCH MESA

Source and description of waste:

POND SLUDGE, SEDIMENT FROM POND WATER

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

I MICHAEL TALOVICH representative  
for SUNCO 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 \_\_\_\_\_

N/A

Signature Michael Talovich  
Printed Name MICHAEL TALOVICH  
Title DISPOSAL MANAGER  
Date 5-6-96

District I (505) 393-6161  
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-138  
Originated 4/18/95

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: 02/16/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator EL PASO FIELD SERVICES
2. Management Facility Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Originating Site LAT 11A-6
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Transporter EL PASO
7. Location of Material (Street Address or ULSTR) NE/NE SEC 14 - T30N - R12W	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:

CONTAMINATED SOIL AS RESULT OF A LEAKING  
VALVE ON END OF BLOW LINE

RECEIVED  
FEB 27 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume 20 - 30 yd<sup>3</sup>

Known Volume (to be entered by the operator at end of haul): 5 yd<sup>3</sup>

SIGNATURE [Signature] TITLE OPERATIONS MGR. DATE 02/26/96

TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 2/27/96  
 APPROVED BY [Signature] TITLE  DATE



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
12205 E. Skelley Drive  
Tulsa, OK 74128  
918-437-6200

OPERATIONS OFFICE  
909 W. Apache  
Farmington, NM 87401  
505-325-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

Lot 11A-6 NE/NE SEC. 14 T. 30 R. 12

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Leaking valve on end-of-line blowoff

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Ricky D. Cosby  
representative for EL PASO FIELD SERVICES

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature

Ricky D. Cosby

Title

Compliance Engineering, Environmental Specialist

Address

PO BOX 4990 FARMINGTON N.M.

Date

2/16/96

District I (505) 393-6161

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-138

Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

95022

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 3/15/06 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator BASIN DISPOSAL
2. Management Facility Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Originating Site SAME
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Transporter C F&M OILFIELD SERVICE
7. Location of Material (Street Address or ULSTR) UNIT E & F SEC 3 - T29N - R11W	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 FROM WASTE WATER INJECTION  
PROCESS PRE-MIXED WITH CLEAN SOIL

RECEIVED  
MAR 15 1996

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 OPERATIONS MANAGER DATE 3/15/96

TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY <u>[Signature]</u> TITLE <u>GEOLOGIST</u> DATE <u>3/18/96</u>
APPROVED BY <u>[Signature]</u> TITLE <u>S</u> DATE <u>9</u>



**TIERRA  
ENVIRONMENTAL  
COMPANY Inc.**

**CORPORATE  
and  
LANDFARM  
OFFICES**

P.O. Drawer 15250  
Farmington, NM 87401

\*\*\*\*\*

420 CR. 3100  
Aztec, NM 87410  
(505) 334-8894  
Fax (505) 334-9024

**CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE**

**Originating  
Site: (Include Name, Section, Township, Range, 1/4, etc.)**

**BASIN DISPOSAL**

**UNIT E & F SEC 3 - T29N - R11W**

**This material originated in:**

- The State of New Mexico**
- The State of \_\_\_\_\_ . Letter from Regulatory Agency having jurisdiction therefore is attached.**

**Location is on:**  **BLM, FOREST**  **TRIBAL**  **OTHER FEDERAL LANDS**

**Description of Material:**

**SOLIDS FROM WASTE WATER INJECTION  
PROCESS PRE-MIXED WITH CLEAN SOIL**

**Destination:** **Tierra Environmental Company Inc.**  
**Crouch Mesa Landfarm Facility**  
**SE 1/4, Section 2, Township 29 North, Range 12 West**  
**NMPM**  
**San Juan County, New Mexico**

I Don Lee

**Representative for** BASIN DISPOSAL

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

**Signature** Don Lee

**Title** MGR **Date** 3-13-96

**Address** P.O. Box 100  
AZTEC, NM 87410

District I (505) 393-6161

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

2010 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-138

Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

95022

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 1/26/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator <b>BASIN DISPOSAL</b>
2. Management Facility Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site <b>SAME</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter <b>C F &amp; M</b>
7. Location of Material (Street Address or ULSTR) <b>UNIT E &amp; F SEC 3 - T29N - R11W</b>	8. State <b>NEW MEXICO</b>
9. Check One  <input checked="" 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 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 WASTE WATER INJECTION  
PROCESS PRE-MIXED WITH CLEAN SOIL**

**RECEIVED**  
FEB - 2 1996

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

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

Known Volume (to be entered by the operator at end of haul): 310 yd<sup>3</sup>

SIGNATURE *Larry F. Hunter* TITLE OPERATIONS MGR. DATE 1/29/96  
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY *Denny Foust* TITLE Geologist DATE 2/2/96  
APPROVED BY *Ernie Bauer* TITLE ✓ DATE 2-5-96



**TIERRA  
ENVIRONMENTAL  
COMPANY Inc.**

**CORPORATE  
and  
LANDFARM  
OFFICES**

P.O. Drawer 15250  
Farmington, NM 87401

\*\*\*\*\*

420 CR. 3100  
Aztec, NM 87410  
(505) 334-8894  
Fax (505) 334-9024

**CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE**

**Originating**

**Site: (Include Name, Section, Township, Range, 1/4, etc.)**

BASIN DISPOSAL

UNIT E & F SEC 3 - T29N - R11W

**This material originated in:**

**The State of New Mexico**

**The State of \_\_\_\_\_ . Letter from Regulatory Agency having jurisdiction therefore is attached.**

**Location is on:**  **BLM, FOREST**  **TRIBAL**  **OTHER FEDERAL LANDS**

**Description of Material:**

**SOLIDS FROM WASTE WATER INJECTION  
PROCESS PRE-MIXED WITH CLEAN SOIL**

**Destination:** **Tierra Environmental Company Inc.**  
**Crouch Mesa Landfarm Facility**  
**SE 1/4, Section 2, Township 29 North, Range 12 West**  
**NMPM**  
**San Juan County, New Mexico**

I \_\_\_\_\_  
**Representative for** BASIN DISPOSAL

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

**Signature** Don Lee

**Title** \_\_\_\_\_ **Date** 1-26-96

**Address** P.O. Box 100

AZTEC, NM 87410

District I (505) 393-6161  
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-138  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96005

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator PNM GAS SERVICES
2. Management Facility Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Originating Site COZZENS B1
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Transporter DIAMOND D CONST.
7. Location of Material (Street Address or ULSTR) SEC 19 - T29N - R11W (1600 S - 990 W)	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:

CONTAMINATED DEHYDRATOR PIT SOILS

RECEIVED  
FEB - 2 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume 100 - 300 yd<sup>3</sup>

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

SIGNATURE [Signature] TITLE OPERATIONS MGR. DATE 1/31/96

TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 2/2/96

APPROVED BY [Signature] TITLE u DATE 2-5-96



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

**Originating**

Site (Include Name, Section, Township, Range, 1/4, etc.)

COZZENS B1  
SEC 19 T 29N R 11W  
1600S 990W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Dehydrator pit

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I DENNIS BEARDEN  
representative for PNM - GAS SERVICES

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Dennis Bearden  
Title ADMINISTRATOR III  
Address 603 W. ELMO FARMINGTON N.M. 87401  
Date 1-26-96

District I (505) 393-6161

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-138

Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

96004

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator PNM GAS SERVICES
2. Management Facility Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site McCOY A1A
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter DIAMOND D CONST.
7. Location of Material (Street Address or ULSTR) <b>UNIT F SEC 18 - T31N - R10W</b>	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:

**CONTAMINATED DEHYDRATOR PIT SOILS**

**RECEIVED**  
FEB - 2 1996

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

Estimated Volume 100 - 300 yd<sup>3</sup>

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

SIGNATURE *Larry F. Hunter* TITLE OPERATIONS MGR. DATE 1/31/96  
 TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE Geologist DATE 2/2/96  
 APPROVED BY *Ernie Basch* TITLE u DATE 2-5-96



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

**Originating**

Site: (Include Name, Section, Township, Range, 1/4, etc.)

MC COM HIA  
SEC 18 T-31N R-10W  
UNIT F

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Dehydrator pit

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I DENVER BEARDEN  
representative for PNM-GAS SERVICES

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Dennis Bearden

Title Administrator III

Address 603 W. Elm Farmington N.M. 87401

Date 1-26-96

**District I** (505) 393-6161  
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-138**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 01/12/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: F. CHAVEZ	4. Generator 96001 <b>MERIDIAN OIL Inc.</b>
2. Management Facility Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site <b>McGRATH #4 SWD</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter <b>RILEY CORP.</b>
7. Location of Material (Street Address or ULSTR) <b>SEC 34 T30N R12W</b>	8. State <b>NEW MEXICO</b>
9. <u>Check One</u> <input checked="" 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 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:**

**FRESH WATER DRILLING MUDS AND PRODUCTION SANDS  
FROM GAS WELL DRILLING OPERATIONS**

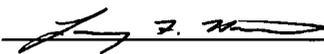
RECEIVED

JAN 17 1996

OIL CON. DIV.  
DIST. 3

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

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

SIGNATURE  TITLE OPERATIONS MANAGER DATE 01/12/96  
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY <u></u>	TITLE <u>Geologist</u>	DATE <u>1/17/96</u>
APPROVED BY <u></u>	TITLE <u>  </u>	DATE <u>  </u>

+ Submit 5 copies to Appropriate District Office

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-117 A

Revised 4-1-91

DISTRICT I  
P.O. Box 1980, Hobbs, NM - 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PERMIT NO. 3-576

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Meridian Oil Inc. Address 3535 E. 30th Farmington, NM

Lease or Facility Name McGrath SUD #4 Location Sec. 34, R. 12W, T. 30N  
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

- Tank Cleaning
- Sediment Oil Removal
- Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work CRAIG A. Bock Env. Representative

Date Work to be Performed 1/12/96

TANK CLEANING DATA Tank Number N/A. Volume 210 BBL

Tank Type Surge tank Volume Below Load Line \_\_\_\_\_

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil from:  Pit  Cellar  Other

MISCELLANEOUS OIL

Tank Bottoms From:  Pipeline Station  Crude Terminal  Refinery  Other\*

Catchings From:  Gasoline Plant  Gathering Lines  Salt Water Disposal System  Other\*

Pipeline Break Oil or Spill

\*Other (Explain) \_\_\_\_\_

**RECEIVED**  
JAN 11 1996  
OIL CON. DIV.  
DIST. 3

VOLUME AND DESTINATION: Estimated Volume 30 Bbls. Field test volume of good oil \_\_\_\_\_ Bbls.  
(Not required prior to Division approval)

Destination (Name and Location of treating plant or other facility) Tierra Landfarm

DESTRUCTION OF SEDIMENT OIL BY:  Burning  Pit Disposal  Use on Roads or firewalls  Other  
(Explain) \_\_\_\_\_

Location of Destruction \_\_\_\_\_

Justification of Destruction \_\_\_\_\_

CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner William D. King Transporter \_\_\_\_\_

By \_\_\_\_\_ Address \_\_\_\_\_

Title PRODUCTION SUPERVISOR Signature \_\_\_\_\_

Date 1/10/96 Title \_\_\_\_\_ Date \_\_\_\_\_

OIL CONSERVATION DIVISION

Approved By ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date JAN 11 1996

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY OCD	
_____	Santa Fe
_____	Pile
_____	Operator
_____	Transporter (2)



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

fax 326-4725  
334-9024

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4 Sec 24, TOWN 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Fresh water drilling muds and production sands from Gas well drilling operations.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature C. A. Bock

Title Environmental Representative

Address 3535 E. 30th Farmington, NM 87401

Date 11/1/96

# Exempt Waste Manifest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and  
Environmental

1. Waste Location: Lease/Well No. McGeath SWD #4
2. Volume: \_\_\_\_\_ Cubic Yards 87 \_\_\_\_\_ Barrels \_\_\_\_\_ Gallons
3. Description of Waste: Fresh water based Drilling muds  
with Production sands.
4. Method of Waste Generation: Well Drilling & Production  
Operations.
5. Disposal Facility: Tierra Landfarm
6. Disposal Cost: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. A. Beck  
(signature)

Date 1/11/96

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

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)

District I (505) 393-6161

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-138

Originated 4-18-95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 01/05/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator <u>96001</u> MERIDIAN OIL Inc.
2. Management Facility Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site McGRATH #4 SWD
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter RILEY CORP.
7. Location of Material (Street Address or ULSTR) <b>SEC 34 T30N R12W</b>	8. State <b>NEW MEXICO</b>

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:

APPROXIMATELY 400 Bbls. OF SLUDGE, PRODUCED FROM DISPOSAL WELL OPERATIONS

RECEIVED  
JAN 17 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 400 Bbls. yd<sup>3</sup>

SIGNATURE [Signature] TITLE OPERATIONS MANAGER DATE 01/12/96  
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 1/17/96  
APPROVED BY [Signature] TITLE u DATE u



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4, Section 34, Town. 30N, Range 12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Filtration of incoming fluids to the McGrath SWD #4 injection well.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Craig A. Bock  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Craig A. Bock

Title Environmental Representative

Address P.O. Box 4289, Farmington NM 87499-4289

Date 10/27/95

# 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: \_\_\_\_\_
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

  
(signature)

Date 10/27/95

MOI  
Representative

Transportation Company: \_\_\_\_\_

Date(s) Transported: \_\_\_\_\_

MOI Representative on Site \_\_\_\_\_ Date \_\_\_\_\_  
(signature)

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)

District I (505) 393-6161

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-138

Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 01/12/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: F. CHAVEZ	4. Generator 96002 MERIDIAN OIL Inc.
2. Management Facility Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Originating Site McGRATH #4 SWD
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Transporter PHILIP ENVIRONMENTAL
7. Location of Material (Street Address or ULSTR) SEC 34 T30N R12W	8. State NEW MEXICO
9. Check One <input checked="" 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 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:

SOIL AND GRAVEL CONTAMINATED WITH CRUDE OIL  
SPILLAGE CAUSED BY ACCIDENTAL FIRE AT FACILITY

RECEIVED  
JAN 17 1996

OIL CON. DIV.  
DIST. 3

Estimated Volume 20 - 40 yd<sup>3</sup>

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

SIGNATURE [Signature] TITLE OPERATIONS MANAGER DATE 01/12/96

TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY <u>[Signature]</u> TITLE <u>Geologist</u> DATE <u>1/17/96</u>
APPROVED BY <u>[Signature]</u> TITLE <u>_____</u> DATE <u>_____</u>



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15230  
Farmington, NM 87401  
(505) 325-0924

fax 326-4725

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

**Originating**

Site: (Include Name, Section, Township, Range, 1/4, etc.)

McGrath SWD #4 Sec 34, T30N, R12W

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Crude Oil Contaminated Soil and Gravel

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Keith M. Roedecker  
representative for Meridian Oil Inc.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Keith M. Roedecker

Title Sr. Staff, Env. Rep.

Address 3535 E. 30th St., Farmington, NM 87401

Date 1/12/96

**District I** (505) 393-6161  
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-138**  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 01/16/96 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator <b>96003</b> <b>PNM GAS SERVICES</b>
2. Management Facility Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site <b>COZZENS B1E</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter <b>DIAMOND D CONST.</b>
7. Location of Material (Street Address or ULSTR) <b>UNIT J - NW/4 SE/4 - SEC 19 - T29N - R11W</b>	8. State <b>NEW MEXICO</b>
9. <u>Check One</u> <input checked="" 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 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:**

**HYDROCARBON CONTAMINATED SOIL FROM DEHYDRATOR / SEPARATOR PIT**

**RECEIVED**  
JAN 17 1996  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume 12 - 24 yd<sup>3</sup>

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

SIGNATURE *Larry F. Hunter* TITLE OPERATIONS MANAGER DATE 01/16/96  
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY *Denny Foust* TITLE Geologist DATE 1/17/96  
APPROVED BY *Ernie Bush* TITLE a DATE -



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
12205 E. Skelley Drive  
Tulsa, OK 74128  
918-437-6200

OPERATIONS OFFICE  
909 W. Apache  
Farmington, NM 87401  
505-325-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

COZZENS BIE  
SEC 19 T 29N R11W UNIT J  
NW1/4 SE1/4

This material originated:

In The State of New Mexico

From the State of \_\_\_\_\_ Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Dehydrator / Separator pit -

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I DENVER BEARDON  
representative for PNM-GAS SERVICES

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature DENVER BEARDON  
Title ADMINISTRATOR III  
Address 603 W. ELM FARMINGTON 87401  
Date 1-15-96

District I (505) 393-6161

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-138  
Originated 4/18/95

Submit Original  
Plus 1 Copy  
to appropriate  
District Office

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST	4. Generator EL PASO NATURAL GAS
2. Management Facility Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Originating Site SEE ATTACHED LIST
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Transporter PHILIP ENVIRONMENTAL
7. Location of Material (Street Address or ULSTR) SEE ATTACHED LIST	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:

Various dehydrator and drip pits at closure sites closed during  
DECEMBER 1995

**RECEIVED**  
JAN 17 1996  
OIL CON. DIV.  
DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 710 yd<sup>3</sup>

SIGNATURE [Signature] TITLE OPERATIONS MGR. DATE 1-10-96  
TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny Foust TITLE Geologist DATE 1/17/96  
APPROVED BY [Signature] TITLE a DATE 26



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
12205 E. Skelley Drive  
Tulsa, OK 74128  
918-437-6200

OPERATIONS OFFICE  
909 W. Apache  
Farmington, NM 87401  
505-225-0924

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

### Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

A list of pit closure sites is attached. December, 1995

### This material originated:

XX In The State of New Mexico

         From the State of                                 . Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Various dehydrator and drip pits.

Destination: Tierra Environmental Corporation  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I Sandra D. Miller  
representative for El Paso Natural Gas Company

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature Sandra D Miller

Title Sr. Compliance Scientist

Address P.O. Box 4990; Farmington, NM 87499

Date 1-9-96

SENT BY:EPNG

1- 9-96 : 4:23PM :EL PASO NATURAL GAS -TIERRA ENVIRONMENTA :# 3/ 3

Closed	Meter	Meter2	Tier	Location	STRL	Comments
12/16/95	71676			Tumer A1 PM	34-31-11-G	2

TIERRA ENVIRONMENTAL COMPANY Inc.

JOB # 94022

EL PASO N.G. PIT PROJECT 12/1 thru 12/10/95

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT/YDS	BACK/YDS	CELL
12/5/95	5059	71676	TURNER A-1 PM	PHILIP	6000	70.00	70.00	11
12/5/95	5060	71676	TURNER A-1 PM	PHILIP	6002	70.00	70.00	11
12/5/95	5061	71676	TURNER A-1 PM	PHILIP	6001	70.00	70.00	11
12/5/95	5062	71676	TURNER A-1 PM	CRUZ	2	40.00	40.00	11
12/5/95	5063	71676	TURNER A-1 PM	CRUZ	5	40.00	40.00	11
						<b>290.00</b>	<b>290.00</b>	
12/6/95	5064-71	71676	TURNER A-1 PM	PHILIP	6000	80.00	90.00	11
12/6/95	5065-69	71676	TURNER A-1 PM	PHILIP	6001	90.00	90.00	11
12/6/95	5066-72	71676	TURNER A-1 PM	PHILIP	6002	90.00	90.00	11
12/6/95	5067	71676	TURNER A-1 PM	ENVIRO	E-51	70.00	70.00	11
12/6/95	5068-70	71676	TURNER A-1 PM	ATENCIO	DS-7	90.00	90.00	11
						<b>420.00</b>	<b>430.00</b>	
<b>TOTALS:</b>						<b>710.00</b>	<b>720.00</b>	

EL PASO JULY 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
12/6/95	TURNER A-1 PM	71676	710.00	720.00	11

SUM:	SUM:
710.00	720.00

Joseph A. Person

ENVIRONMENTAL DIVISION

<b>REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE</b>		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <b>95044</b> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <b>DENNY FOUST</b> <small>(Submitting this form for oilfield exempt waste is optional) DATE:</small>	4. Generator Gary Williams Energy Corp.	
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Name of Originating Site Montezuma Creek Station	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter Fesco	
7. Originating Location of Material (Street Address or ULSTR) SE 1/4 SEC 32 - T 40 S - R 24 W	8. State Utah	

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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.
  - C. 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.  
 Projected Date(s) for transportation: January 1996

BRIEF DESCRIPTION OF THE MATERIAL:  
 Soil Contaminated with  
 Crude Oil from Storage and  
 Transfer Operations On Site.

**RECEIVED** JAN 10 1996  
**RECEIVED** JAN - 3 1996  
**OIL CON. DIV. DIST. 3**      **OIL CON. DIV. DIST. 3**

Estimated Volume 500 yd<sup>3</sup>      Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>  
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE 01-02-96  
 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 1/3/95  
 APPROVED BY T. D. Nobis TITLE GEOLOGIST DATE 1-8-96

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt:  Non-Exempt:  95044  
Verbal Approval Received: Yes  No  By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE:

4. Generator  
Gary Williams Energy Corp.

2. Destination  
Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
Montezuma Creek Station

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
Fesco

7. Originating Location of Material (Street Address or ULSTR)  
SE 1/4 SEC 32 - T 40 S - R  
24 W

8. State  
Utah

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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environmental Dept or other appropriate government agency; two certificates per job.
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Projected Date(s) for transportation: January 1996

BRIEF DESCRIPTION OF THE MATERIAL:

Soil Contaminated with  
Crude Oil from Storage and  
Transfer Operations On Site.

Estimated Volume 500 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): \_\_\_\_\_ yd<sup>3</sup>

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Todd D. Nobis TITLE Environmental Specialist DATE 01-02-96

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 1/3/95

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

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL COMPANY Inc.

### CORPORATE and LANDFARM OFFICES

P.O. Drawer 15250  
Farmington, NM 87401

\*\*\*\*\*

420 CR. 3100  
Aztec, NM 87410  
(505) 334-8894  
Fax (505) 334-9024

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

### Originating

Site: (Include Name, Section, Township, Range, 1/4, etc.)

MONTAZUMA CREEK STATION

SE 1/4 SEC 32 - T 40 S - R 24 W

This material originated in:

The State of New Mexico

The State of UTAH. Letter from Regulatory Agency having jurisdiction therefore is attached.

Location is on:  BLM. FOREST  TRIBAL  OTHER FEDERAL LANDS

Description of Material: SOIL CONTAMINATED BY STORAGE  
AND TRANSFER OPERATIONS ON SITE

Destination: Tierra Environmental Company Inc.  
Crouch Mesa Landfarm Facility  
SE 1/4, Section 2, Township 29 North, Range 12 West  
NMPM  
San Juan County, New Mexico

I CHRIS HAWLEY  
Representative for GARY WILLIAMS ENERGY CORP.

do hereby certify that the waste described above is material that is exempted from regulation by the Resource Conservation and Recovery Act (RCRA) and is considered non-hazardous oilfield waste. I further certify that to the best of my knowledge, no other material has been commingled with the exempt waste that would otherwise cause the waste to be classified as "Hazardous" by RCRA or any other Federal, State or Local law, regulation or ordinance.

Signature *Chris Hawley*  
Title ENVIRONMENTAL MGR. Date 12-14-95  
Address 370 17th. ST. Suite 5300  
DENVER, CO 80207



# State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF SOLID AND HAZARDOUS WASTE

FILE COPY

Michael O. Leavitt  
Governor

Diana R. Nielson, Ph.D.  
Executive Director

Dennis R. Downs  
Director

288 North 1460 West  
P.O. Box 144880  
Salt Lake City, Utah 84114-4880  
(801) 538-6170  
(801) 538-6715 Fax  
(801) 536-4414 T.D.D.

December 27, 1995

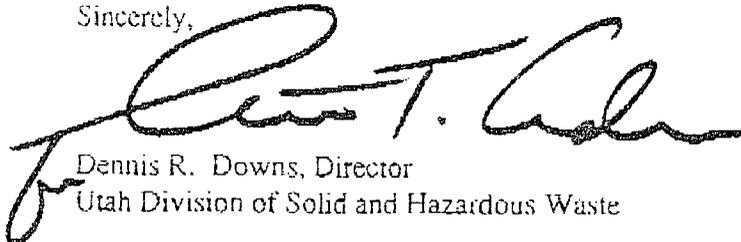
Larry Hunter  
Tierra Environmental Company Inc.  
420 Cr. 3100  
Aztec, New Mexico 87410

Dear Mr. Hunter:

This letter is in response to a telephone conversation on December 27, 1995 concerning contaminated soil excavated from a tank cleanup located in Montezuma Creek, Utah. Based on the analytical information received for TCLP, the material in question does not appear to be a characteristic hazardous waste. Final Determination of whether or not the material is a hazardous waste needs to be based on a complete characterization made by the generator following the requirements outlined in 40 CFR 262.11.

If you should have any questions or comments regarding the contents of this letter, please call Allan Moore of my staff at (801) 538-6170.

Sincerely,



Dennis R. Downs, Director  
Utah Division of Solid and Hazardous Waste

DRD/TAM/tam





TIERRA  
ENVIRONMENTAL  
COMPANY Inc.

P.O. DRAWER 15250  
FARMINGTON, NM 87401

January 02, 1996

Allen Moore  
State of Utah, Dept. of Environmental Quality  
Division of Solid and Hazardous Waste  
288 North 1460 West  
P.O. Box 144880  
Salt Lake City, Utah 84114-4880

Dear Mr. Moore,

This letter is to inform you that we have received your letter concerning the contaminated soil excavated at Montezuma Creek, Utah and to further advise you that the material in question is being considered a non-hazardous waste pursuant to the characteristic analysis performed (TCLP) and requirements outlined in 40 CFR 262.11.

It will be transported by truck to Tierra Environmental Company Inc's New Mexico State approved and permitted landfarm located at #420 County Road 3100 Crouch Mesa, San Juan County New Mexico pending approval from New Mexico State Oil and Gas Conservation Division.

If you should have any questions, please contact me at 505-334-8894.

Sincerely,

A handwritten signature in dark ink, appearing to read "Todd D. Nobis".

Todd D. Nobis  
Environmental Specialist



### Receipt for Certified Mail

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to		<i>State of Utah</i>
Street and No.		
P.O., State and ZIP Code		<i>84114</i>
Postage		<i>\$ .32</i>
Certified Fee		<i>1.10</i>
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to Whom & Date Delivered		<i>1.10</i>
Return Receipt Showing Date, any Addressee's Address		
TOTAL Postage & Fees		<i>\$ 2.52</i>
Postmark on Envelope		<b>JAN 02 1996</b> USPS - 87415

PS Form 3800, June 1991

# PRELIMINARY REPORT

## LABORATORY TESTS RESULTS 12/22/95

JOB NUMBER: 953742

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: MONTEZUMA CREEK-BRC  
 DATE SAMPLED: 12/13/95  
 TIME SAMPLED: 10:35  
 WORK DESCRIPTION: MONTEZUMA CREEK-BRC

LABORATORY I.D.: 953742-0001  
 DATE RECEIVED: 12/14/95  
 TIME RECEIVED: 10:18  
 REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
TCLP Semivolatiles		*1		EPA SW-846 8270B	12/22/95	DEF
1,4-Dichlorobenzene	<10	10	ug/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270B		
Hexachlorobenzene	<10	10	ug/L	EPA SW-846 8270B		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270B		
Hexachloroethane	<10	10	ug/L	EPA SW-846 8270B		
Nitrobenzene	<10	10	ug/L	EPA SW-846 8270B		
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270B		
Pyridine	<10	10	ug/L	EPA SW-846 8270B		
p,m-Cresol	<10	10	ug/L	EPA SW-846 8270B		
o-Cresol	<10	10	ug/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	66	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	81	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	74	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	37	0	% Recovery	43-116% QC LIMITS		
2,4,6-Tribromophenol (Surrogate)	80	0	% Recovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	60	0	% Recovery	33-141% QC LIMITS		
TCLP Volatiles		*10		EPA SW-846 8260	12/15/95	GP
Benzene	<50	50	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260		
Chlorobenzene	<50	50	ug/L	EPA SW-846 8260		
Chloroform	<50	50	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Vinyl chloride	<40	40	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
Tetrachloroethane	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane (Surrogate)	99	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	101	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (Surrogate)	98	0	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	12/19/95	WEB
Class Jar Extraction for Metals	Completed			EPA SW-846 1311	12/14/95	DGP
Class Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	12/14/95	DGP
Asenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC

1733 NORTH PADRE ISLAND DRIVE  
 CORPUS CHRISTI, TX 78408  
 (512) 289-2673

**MONTEZUMA  
REPORT**

**LABORATORY TESTS RESULTS**  
12/22/95

JOB NUMBER: 953742      CUSTOMER: ONSITE TECHNOLOGIES LIMITED      ATTN: DAVE COX

CLIENT I.D.: MONTEZUMA CREEK-BRC  
DATE SAMPLED: 12/13/95  
TIME SAMPLED: 10:35  
WORK DESCRIPTION: MONTEZUMA CREEK-BRC

LABORATORY I.D.: 953742-0001  
DATE RECEIVED: 12/14/95  
TIME RECEIVED: 10:18  
REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	2.56	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	12/19/95	GCC
Flammability Potential	Negative		+ or -	ASTM D4982-89	12/19/95	TFB
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	12/22/95	GB
Corrosivity by pH	7.8	0.1	pH units	30 YAG 335.505 (3)	12/19/95	SEB
Sulfide, Reactive	<50	50	mg/kg	EPA SW-846 7.3.4.2	12/15/95	GB
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	12/19/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010A	12/18/95	TFB
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	12/14/95	DGP

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CORPUS CHRISTI, TX 78408  
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