

**NM1-10-A**

**C-138**

**Date: 1995**

**Tierra Land Farm**

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> D. Foust 6/27 (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter CF&M	
2. Destination Tierra Crouch Mesa Landfarm	5. Generator Gas Company of New Mexico	
3. Address of Facility Operator 907 West Apache, Farmington N.M..	6. Name of Originating Site Turner # 1	
7. Originating Location of Material (Street Address or ULSTR) SE 1/4, NW 1/4 Section 24, T-31-N, R-11-W San Juan County	8. State New Mexico	

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; on 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soil from dehydrator pit.

**RECEIVED**  
JUN 30 1995  
**OIL CON. DIV.**  
DIST. 3

Estimated Volume 12 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): \_\_\_\_\_

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

SIGNATURE Phillip C. Nobis TITLE Phillip C. Nobis CEO DATE 6/28/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/30

APPROVED BY Eric Burch TITLE LL DATE LL

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.)

Turner #1 Well Site - Sec 24 NW 1/4  
Sec 24 Township - 31 N Range 11 W

This material originated:

☒ In The State of New Mexico

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

Source: Contamination came from a  
dehydrator pit approx 20' from the  
excavation

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

DANIEL BEARDEN  
representative for GAS COMPANY OF NEW MEXICO

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 Daniel Bearden

Title Administrator III

Address P.O. Box 1899 Bloomfield NM 87413

Date 6-27-95

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
 Verbal Approval Received: Yes ☒ No ☐  
 (Submitting this form for oilfield exempt waste is optional)

4. Name of Transporter  
 Doug Foutz Trucking

2. Destination  
 Tierra Crouch Mesa Landfarm

5. Generator  
 El Paso Natural Gas

3. Address of Facility Operator  
 907 W. Apache, Farmington, NM 87401

6. Name of Originating Site  
 Various

7. Originating Location of Material (Street Address or ULSTR)  
 Various dehydrator and drip pits (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 certification 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 Environment Department 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:

## BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with hydrocarbons from dehydrator and drip pits.

may

RECEIVED  
 JUN 16 1995  
 OIL CON. DIV.  
 DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): 550 yd<sup>3</sup>

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

SIGNATURE [Signature] TITLE Special Projects Manager DATE 6/12/95

TYPE OR PRINT NAME Connie Dinning TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Foutz TITLE Geologist DATE 6/16/95

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: Need Connie's Signature - 2nd copy





# 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.)

A list of pit closure sites is attached.

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 \_\_\_\_\_

CLOSED	METER	METER2	LOCATION	S T R L
5/1/95	94280		Patterson #1 PC	20-30-08-I ✓
5/2/95	N/A		Lat H-19 Drip Y-1	28-32-10- ✓
5/9/95	75625	II PHASE	Elliott Gas Com S #1	33-30-9-M ✓
5/9/95	93500	II PHASE	Elliott Gas Com R #1E	34-30-9-C ✓
5/25/95	73147	II PHASE	Elliott Gas Com M #1	33-30--9-I ✓
5/25/95	N/A		Old Blanco Storage Pit	11-29-11- ✓
5/25/95	93490		Garett Federal Com #2-1	13-29-11- ✓
5/30/95	75861		Hardie #5	23-28-8-O ✓
5/31/95	90613		San Juan 28-7	9-28-7-P ✓
5/31/95	N/A		Lat 10C-1 Syphon Pit	18-25-11-L ✓
5/31/95	N/A		Lat 10C-1 Syphon Pit	18-25-11-L ✓

EL PASO PITS MAY 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
5/1/95	FLORENCE #36 E <i>ok</i>	93629	0.00	20.00	
5/1/95	PATTERSON #1 <i>pc</i>	94280	20.00	20.00	9
5/3/95	LAT H-19 DRIP Y1 <i>✓</i>	NA005	50.00	50.00	9
5/9/95	ELLIOT GCS #1 <i>✓</i>	75265	40.00	50.00	9
5/9/95	ELLIOT G.C. R #1E <i>✓</i>	93500	10.00	0.00	9
5/10/95	ELLIOT G.C. M #1	73147	100.00	90.00	9
5/25/95	OLD BLANCO STORAGE PIT <i>✓</i>	NA010	100.00	130.00	9
5/25/95	GARRETT FED COM 2-1E <i>✓</i>	93490	80.00	80.00	9
5/30/95	ANNIE L ELLIOT D #4	92153	0.00	20.00	
5/30/95	HARDIE #5 <i>✓</i>	75861	80.00	80.00	9
5/31/95	SAN JUAN 28-7 #21 A <i>✓</i>	90613	40.00	40.00	9
5/31/95	LAT 10C-1 SYPHON PIT <i>✓</i>	NA015	30.00	30.00	9

SUM:	SUM:
550.00	610.00

## REQUEST FOR APPROVAL

## TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Consolidated
2. Destination Tierra Crouch Mesa Landfarm	5. Generator Gas Company of New Mexico
3. Address of Facility Operator 907 West Apache, Farmington, N.M.	6. Name of Originating Site Kutz Canyon Facility
7. Originating Location of Material (Street Address or ULSTR) Sec. 11, T-28N, R-1W NW San Juan County	8. State New Mexico

## 9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; on 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 Environment Department 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:

## BRIEF DESCRIPTION OF THE MATERIAL:

Tank bottoms and sludge from fiber glass tank on site.

RECEIVED  
JUN - 2 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 7 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE CEO DATE 5/31/95TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 6/5/95APPROVED BY Ernie Busch TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.)

GAS COMPANY OF NEW MEXICO - KUTZ  
CANYON FACILITY - GATHERING STORAGE  
YARD - S-11 T-28N R-11W NW

This material originated:

X In The State of New Mexico

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

Source: A FIBERGLASS TANK USED TO  
HOLD WATER, TANK BOTTOMS OIL -  
THESE ARE EXEMPT CO-MINGLED OILFIELD  
WASTE

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

DENVER BEARDEN  
representative for GAS COMPANY OF NEW MEXICO

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 Bearden

Title Administrator III

Address P.O. Box 1899 Bloomfield NM  
87413

Date 5/30/95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> D. Foust 5/5/95 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Hicks	
2. Destination Tierra Crouch Mesa Landfarm	5. Generator Hicks Oil and Gas	
3. Address of Facility Operator 907 West Apache, Farmington N.M. 87401	6. Name of Originating Site Cha Cha SWD Tank Bat # 2	
7. Originating Location of Material (Street Address or ULSTR) SW 1/4, SE 1/4, Sec 15, T-28N, R-13W San Juan County	8. State New Mexico	

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Sludges removed from Tank Bat 2 produced as a result of water disposal operations

RECEIVED  
MAY 10 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 80 bbls yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE CEO DATE 5/8/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny D. Foust TITLE Geologist DATE 5/8/95

APPROVED BY Ernie Busch TITLE Geologist DATE 5/10/95

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.)

SE. CHACMA WATER DISPOSAL TANK BATTERY #2  
SW 1/4 SE 1/4 SEC. 15-T29N-R13W  
SAN JUAN COUNTY, NM

This material originated:

☒ In The State of New Mexico

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

Source: TANK BOTTOM SEDIMENT ACCUMULATED  
FROM WATER DISPOSAL ACTIVITIES.

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 JIM HICKS  
representative for HICKS OIL & GAS, INC.  
P.O. DRAWER 3307  
FARMINGTON, NM 87499

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 Jim Hicks  
Title PRESIDENT, HICKS OIL & GAS INC.

Address P.O. DRAWER 3307, FARMINGTON, NM 87499

Date 5/5/95

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Riley
2. Destination Tierra Crouch Mesa Landfarm	5. Generator El Paso Natural Gas Co.
3. Address of Facility Operator 907 West Apache, Farmington, N.M. 87401	6. Name of Originating Site Chaco Plant
7. Originating Location of Material (Street Address or ULSTR) Section 16, T-26N, R-12-W, San Juan County	8. State New Mexico

9. Check One

☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification 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 Environment Department 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: \_\_\_\_\_

BRIEF DESCRIPTION OF THE MATERIAL:

Sludge from receiving vessel, approximately 250 bbls. Sludge is produced from pigging operations from gathering system.

**RECEIVED**  
MAY - 1 1995  
**OIL CON. DIV.**  
DIST. 3

Estimated Volume 250 bbls yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE CEO DATE 4/28/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Dennis G. Fawcett TITLE Geologist DATE 5/1/95

APPROVED BY Emile Busch TITLE u DATE u

CONDITIONS OF APPROVAL, IF ANY:





P. O. BOX 4990  
FARMINGTON, NEW MEXICO 87499

April 27, 1995

Phillip C. Nobis  
Tierra Environmental Co.  
909 West Apache  
Farmington, NM 87401

**Re: El Paso Natural Gas Company - Tank Bottom Disposal**

Mr. Nobis,

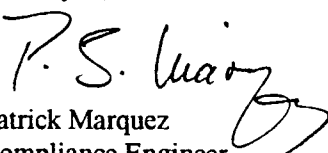
El Paso Natural Gas Company's (EPNG) Chaco Plant is currently making preparations to retire a large vessel used to receive "pigging" liquids. The Plant will be using a local contractor to hydrate and move the sludge from the vessel to their truck and then to your landfarm facility. Details are as follows:

- Chaco Plant - Section 16, T-26-N, R-12-W, San Juan County, New Mexico
- Enclosed is Certificate of Waste Status for Exempt Waste
- The vessel is 35 feet in diameter and has approximately 1 foot of sludge. I have assumed an increase in waste volume by 1/3 - giving a final volume of 230 bbls.
- The Plant will begin cleaning activities on or about May 8th.
- Invoices should be addressed to El Paso Natural Gas Company Attn: Lyndell Smith, P.O. Box 4990, Farmington N.M. 87499

Please prepare a cell for the tank bottom. Chaco Plant personnel will contact your office 24 hours in advance of delivery to identify trucking company.

Should you require further information, please do not hesitate to call at 5992175.

Thank you,

  
Patrick Marquez  
Compliance Engineer

cc: w/o enclosure

Lyndell Smith  
Pablo Quintana  
Max Blackwood  
Al Wussler  
Bob Yungert  
David Hall  
Sandra Miller/David Bays/File: 5212 Environmental



# 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.)

Chaco Plant Section 16, T-26-N, R-12-W Unit Letter K, L, M, N

This material originated:

X In The State of New Mexico

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

Source: Chaco Plant "Pigging" Vessel. Vessel receives pigging liquids  
from throughout the gathering system. Tank is located in the  
southwest corner of the plant.

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 Patrick Marquez  
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 P. S. Marquez  
Environmental Compliance Engineer  
Title \_\_\_\_\_

Address 416 Reilly Farmington N.M.

Date April 27, 1995

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

4. Generator

EL PASO

5. Name of Originating Site

Various Dehyd. Pits

6. Name of Transporter

Foutz

8. State

N.M.

2. Destination

Tierra Crevak Mesa Land Farm

3. Address of Facility Operator

907 West Apache, Farmington N.M.

7. Location of Material (Street Address or ULSTR)

See Attached list

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  
☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department 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 the wastes delivered are only those consigned for transport.

## BRIEF DESCRIPTION OF THE MATERIAL:

Soil Contaminated with hydrocarbons From various pit closure locations, RCRA exempt.

March

RECEIVED

APR 20 1995

OIL CON. DIV.  
DIST. 3

Estimated Volume

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

570

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

SIGNATURE Phillip C. Nobis TITLE CEO

DATE 4/17/95

TYPE OR PRINT NAME Phillip C. Nobis

TELEPHONE NO. 505-325-0924

(This space for State Use)

APPROVED BY Denny G. Feunt TITLE Geologist

DATE 5/1/95

APPROVED BY Ernie Bush 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.)

A list of pit closure sites is attached.

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

Title Sr. Compliance Scientist

Address P.O. Box 4990; Farmington, NM 87499

Date \_\_\_\_\_

## TIERRA

CLOSED	METER	METER2	LOCATION	S T R L
<del>01-Mar-95</del>	<del>N/A</del>	<del></del>	<del>Lat 28-64</del>	<del>20-27-11-L</del>
01-Mar-95	72320		Annie L Elliot D #3	12-29-09-F
21-Mar-95	72429		San Juan 27-5 #48 PC	19-27-05-K
24-Mar-95	71850		San Juan 28-6 #75	03-27-06-N
29-Mar-95	72265		San Juan 28-6 #79 MV	11-27-06-M
30-Mar-95	75069		San Juan 28-6 #115	03-27-06-N
30-Mar-95	71888		San Juan 28-6 #67	14-27-06-A

BoL DATE	LOCATION	METER #	CONT	FILL
03/01/95	ANNIE L. ELLIOT D #3	72320	90.00	110.00
03/21/95	SAN JUAN 27-5 #48	72429	40.00	40.00
03/22/95	L-40 LINE DRIP	NA005	0.00	170.00
03/24/95	SAN JUAN 28-6 #75	71850	120.00	120.00
03/29/95	SAN JUAN 28-6 #79 mv	72265	240.00	240.00
03/30/95	SAN JUAN 28-6 #115	75069	40.00	40.00
03/30/95	SAN JUAN 28-6 #67	71888	40.00	40.00
03/31/95	SAN JUAN 28-6 #106	51661	0.00	20.00
03/31/95	SAN JUAN 29-7 #58	71703	0.00	20.00
03/31/95	SAN JUAN 28-6 #71	72087	0.00	20.00
03/31/95	SAN JUAN 29-7 #53	71475	0.00	20.00

TOTALS : 570.00 840.00

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
03/30/95	9568	71888	SAN JUAN 28-6 #67	FOUTZ	835	10.00	0.00	9
03/31/95	9569	51661	SAN JUAN 28-6 #106	FOUTZ	934	0.00	20.00	
03/31/95	9570	72087	SAN JUAN 28-6 #71	FOUTZ	831	0.00	20.00	
03/31/95	9571	72087	SAN JUAN 28-6 #71	FOUTZ	132	0.00	20.00	
03/31/95	9572	51661	SAN JUAN 28-6 #106	FOUTZ	935	0.00	20.00	
TOTALS :					570.00		837.00	

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
 Verbal Approval Received: Yes ☒ No ☐  
 D. Foust 4/14/95

4. Generator

Meridian Oil

2. Destination

Tierra Crouch Mesa Land Farm

5. Name of Originating Site

McGrath SWD

3. Address of Facility Operator

87401

907 West Apache, Farmington N.M.

6. Name of Transporter

Biley

7. Location of Material (Street Address or ULSTR)

McGrath SWD T-30N, R12W, S34

8. State

N.M.

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- ☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department 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 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  
APR 17 1995

OIL CON. DIV.  
DIST. 3

Estimated Volume 400 BBLs Known Volume (to be entered by the operator at the end of the haul):

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

SIGNATURE [Signature] TITLE CEO DATE 4/14/95

TYPE OR PRINT NAME TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 5/1/95

APPROVED BY [Signature] TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:





TIERRA  
ENVIRONMENTAL CORPORATION

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

fax 325-1920

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

Originating

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

McGRATH SWD  
CROUCH MESA T30N - R12W - S34

This material originated:

X In The State of New Mexico

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

Source: McGRATH SALTWATER DISPOSAL WELL  
FACILITY

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 KEVIN C. MYERS  
representative for MERIDIAN OIL

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

Kevin C. Myers

Title

ENVIRONMENTAL SPECIALIST

Address

3035 E. 30th FARMINGTON

Date

4-13-95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <i>D. Faust 8/31/95</i> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Meridian</i>	
2. Destination <i>Tierra Crouch Mesa Landfarm</i>	5. Name of Originating Site <i>Farmington #1-E</i>	
3. Address of Facility Operator <i>907 W. Apache Farmington, N.M. 87401</i>	6. Name of Transporter <i>Foutz / Burlington</i>	
7. Location of Material (Street Address or PLSTR) <i>T31N, R13W, S36</i>	8. State <i>New Mexico</i>	
9. Check One <input checked="" type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. <input 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 Environment Department 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 the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Soil contaminated with condensate from leak in tank.*

**RECEIVED**  
APR - 5 1995  
**OIL CON. DIV.**  
DIST. 3

Estimated Volume 600 cy Known Volume (to be entered by the operator at the end of the haul): \_\_\_\_\_ cy  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
 SIGNATURE Phillip C. Nobis TITLE CEO DATE 8/31/95  
 TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Dennis G. Faust TITLE Geologist DATE 4/5/95  
 APPROVED BY Ernie Busch TITLE u DATE u

CONDITIONS OF APPROVAL, IF ANY:



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE

P. O. Drawer 15250

Farmington, NM 87401

(505) 325-0924

Fax 325-1920

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

RECEIVED  
APR - 5 1995

## Originating

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

CITY OF FARMINGTON #1-E WELL SITE

T31N R12W S36

OIL CON. DIV.  
DIST. 3

This material originated:

☒ In The State of New Mexico

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

Source: SOIL CONTAMINATED WITH CONDENSATE FROM LEAK

IN PRODUCTION STORAGE TANK

ESTIMATE UP TO 100 YD<sup>3</sup>

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 KEVIN C. MYERS

representative for MERRIDIAN 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

Kevin C. Myers

Title

ENVIRONMENTAL SPECIALIST

Address

P.O. Box 4289 FARMINGTON, NM

Date

MARCH 31, 1995

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter <i>Foutz</i>	
2. Destination <i>Tierra Crouch Mesa Land Farm</i>	5. Generator	
3. Address of Facility Operator <i>907 West Apache, Farmington NM.</i>	6. Name of Originating Site <i>El Paso</i>	
7. Originating Location of Material (Street Address or U.S. STR) <i>See Attached list</i>	8. State <i>N.M.</i>	

9. Check One

- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- ☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

*Various dehydrator & Drip Pits at closures  
for February 1995*

**RECEIVED**  
MAR 2 1 1995

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

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): *1,200* yd<sup>3</sup>

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

SIGNATURE *Phillip C. Colbis* TITLE *CEO* DATE *3/20/95*

TYPE OR PRINT NAME *Phillip C. Colbis* TELEPHONE NO. *325-0824*

(This space for State Use)

APPROVED BY *Denny G. Feint* TITLE *Geologist* DATE *4/4/95*

APPROVED BY *Sam Busch* TITLE *"* DATE *"*

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.)

A list of pit closure sites is attached. February 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 3/7/95

CLOSED	METER	METER2	LOCATION	S_T_R_L
02/01/95	90547		Florance A E #1A ✓	25-30-10-J
02/03/95	72912		Mudge LS #20 ✓	08-31-11-G
02/06/95	73024		Nickles #1 ✓	11-31-13-K
02/06/95	87546		Elliot A #2 ✓	19-31-11-M
02/07/95	73392		McKenzie #1 ✓	20-30-12-B
02/07/95	89247		Graham #51A	10-27-08
02/10/95	90935		Bruington #1E ✓	14-28-11-L
02/10/95	90619		L V Hamner A #1A ✓	21-29-09-F
02/13/95	89924		D J Simmons E #2A ✓	23-29-09-E
02/14/95	89565		NEBU #5A ✓	13-30-08-K
02/24/95	75826		Florance #47X ✓	05-30-09-G ✓
02/27/95	89821		Walker Com #2A ✓	32-31-09-O

need  
mudge LS #20

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
02/21/95		00000	NO HAUL TODAY			0.00	0.00	
02/22/95	7900	93016	SAN JUAN 29-7 #116	FOUTZ	934	0.00	20.00	
02/22/95	9501	93016	SAN JUAN 29-7 #116	FOUTZ	831	0.00	20.00	
02/22/95	9502	89791	SAN JUAN 29-7 #109	FOUTZ	935	0.00	20.00	
02/22/95	9503	89791	SAN JUAN 29-7 #109	FOUTZ	835	0.00	20.00	
02/22/95	9504	89791	SAN JUAN 29-7 #109	FOUTZ	831	0.00	10.00	
02/22/95	9505	89791	SAN JUAN 29-7 #109	FOUTZ	934	0.00	10.00	
02/23/95		0000X	NO HAUL TODAY			0.00	0.00	
02/24/95	9506	75826	FLORANCE #47X	FOUTZ	935	10.00	20.00	9
02/24/95	9507	75826	FLORANCE #47X	FOUTZ	132	10.00	20.00	9
02/24/95	9508	92417	GRAMELING C #200	FOUTZ	432	0.00	20.00	
02/24/95	9509	75826	FLORANCE #47X	FOUTZ	831	10.00	20.00	9
02/24/95	9510	75826	FLORANCE #47X	FOUTZ	934	10.00	20.00	9
02/24/95	9511	75826	FLORANCE #47X	FOUTZ	835	10.00	20.00	9
02/24/95	9512	75826	FLORANCE #47X	FOUTZ	432	10.00	10.00	9
02/24/95	9513	89821	WALKER COM #2A	FOUTZ	831	20.00	10.00	9
02/24/95	9514	89821	WALKER COM #2A	FOUTZ	934	20.00	10.00	9
02/24/95	9515	89821	WALKER COM #2A	FOUTZ	132	20.00	10.00	9
02/24/95	9516	89821	WALKER COM #2A	FOUTZ	835	20.00	10.00	9
02/24/95	9517	89821	WALKER COM #2A	FOUTZ	935	20.00	10.00	9
02/24/95	9518	89821	WALKER COM #2A	FOUTZ	432	20.00	10.00	9
02/27/95	9519	89821	WALKER COM #2A	FOUTZ	934	20.00	30.00	9
02/27/95	9520	89821	WALKER COM #2A	FOUTZ	935	20.00	20.00	9
02/27/95	9521	89821	WALKER COM #2A	FOUTZ	731	10.00	10.00	9
02/27/95	9522	89821	WALKER COM #2A	FOUTZ	132	10.00	20.00	9
02/27/95	9523	89821	WALKER COM #2A	FOUTZ	835	10.00	30.00	9
02/27/95	9524	89821	WALKER COM #2A	FOUTZ	432	10.00	20.00	9
02/28/95		0000X	NO HAUL TODAY			0.00	0.00	

TOTALS : 260.00 420.00

CONDENSED RECAP  
CLIENT : EL PASO N.G.

PAGE 1

JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	02/21/95	NO HAUL TODAY	00000	0.00	0.00	
	02/22/95	SAN JUAN 29-7 #116	93016	0.00	40.00	
	02/22/95	SAN JUAN 29-7 #109	89791	0.00	60.00	
	02/23/95	NO HAUL TODAY	0000X	0.00	0.00	
	02/24/95	FLORANCE #47X	75826	60.00	110.00	9
	02/24/95	GRAMELING C #200	92417	0.00	20.00	
	02/27/95	WALKER COM #2A	89821	200.00	190.00	9
	02/28/95	NO HAUL TODAY	000XX	0.00	0.00	
TOTALS :				250.00	420.00	



BoL DATE	LOCATION	METER #	CONT	FILL
02/21/95	NO HAUL TODAY	00000	0.00	0.00
02/22/95	SAN JUAN 29-7 #109	89791	0.00	40.00
02/22/95	SAN JUAN 29-7 #111	90336	0.00	40.00
02/22/95	SAN JUAN 29-7 #116	93016	0.00	20.00
02/23/95	NO HAUL TODAY	0000X	0.00	0.00
02/24/95	FLORANCE #47X	75826	60.00	60.00
02/24/95	GRANBLING C #200	92417	0.00	10.00
02/24/95	FLORANCE #114	92023	0.00	10.00
02/27/95	WALKER COM #2A	89821	200.00	240.00
02/28/95	NO HAUL TODAY	000XX	0.00	0.00
TOTALS :			260.00	420.00

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
02/13/95	7893	89924	D J SIMMONS E #2A	FOUTZ	935	10.00	10.00	9
02/13/95	7894	89924	D J SIMMONS E #2A	FOUTZ	432	10.00	10.00	9
02/13/95	7895	89924	D J SIMMONS E #2A	FOUTZ	934	10.00	10.00	9
02/13/95	7896	89924	D J SIMMONS E #2A	FOUTZ	835	10.00	10.00	9
02/14/95	7897	89565	N E BLANCO UNIT #5A	FOUTZ	935	30.00	30.00	9
02/14/95	7898	89565	N E BLANCO UNIT #5A	FOUTZ	934	30.00	30.00	9
02/14/95	7899	89565	N E BLANCO UNIT #5A	B E I	6092	20.00	30.00	9
02/15/95		XXXXX	NO HAUL TODAY			0.00	0.00	
02/16/95		XXXXX	NO HAUL TODAY			0.00	0.00	
02/17/95		XXXXX	NO HAUL TODAY			0.00	0.00	
02/20/95		NNNNN	HOLIDAY			0.00	0.00	

TOTALS : 120.00 130.00

Credit : 10 yds backfill from ticket # 7856  
2/1/95 returned to Crouch Mesa

## CONDENSED RECAP

CLIENT : EL PASO N.G.

PAGE 1

JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	02/13/95	D J SIMMONS E #2A	89924	40.00	40.00	9
	02/14/95	N E BLANCO UNIT #5A	89565	80.00	90.00	9
	02/15/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	02/16/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	02/17/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	02/20/95	HOLIDAY	XXXXX	0.00	0.00	
TOTALS :				120.00	130.00	

## BILL OF LADING RECAP

CLIENT : EL PASO N.G.

PAGE 1

B&L DATE	LOCATION	METER #	CONT	FILL
02/13/95	D J SIMMONS E #2A	89924	40.00	40.00
02/14/95	N E BLANCO UNIT #5A	89565	80.00	90.00
TOTALS :			120.00	130.00

JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	02/01/95	FLORENCE AB-1A	90547	200.00	230.00	8
	02/03/95	MUDGE #20	72912	430.00	470.00	8
	02/06/95	NICKLES #1	73034	40.00	80.00	8
	02/06/95	T L RHODES B-1E	95309	0.00	50.00	
	02/06/95	TRUNK B LINE DRIP	NA005	0.00	10.00	
	02/06/95	PAUL HALL #1	73284	0.00	10.00	
	02/06/95	ELLIOT A #2	87546	30.00	20.00	8
	02/07/95	HORTON #6	89797	0.00	20.00	
	02/07/95	McKENZIE #1	73392	10.00	30.00	8
	02/07/95	TRUNK D LOOP LINE DRIP	NA010	0.00	10.00	
	02/08/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	02/09/95	NO HAUL TODAY	XXXXO	0.00	0.00	
	02/10/95	L V HAMNER A #1A	90619	180.00	190.00	8
	02/10/95	RED FERN #7	93974	0.00	10.00	
	02/10/95	BRUINGTON #1E	90935	40.00	40.00	8

TOTALS : 930.00 1,170.00

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	934	20.00	10.00	8
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	835	20.00	10.00	8
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	935	10.00	10.00	8
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	131	20.00	10.00	8
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	431	20.00	10.00	8
01/31/95	BIL'D	90547	FLORENCE AE-1A	FOUTZ	831	20.00	10.00	8
02/01/95	7851	90547	FLORENCE AE-1A	FOUTZ	934	20.00	30.00	8
02/01/95	7852	90547	FLORENCE AE-1A	FOUTZ	935	20.00	30.00	8
02/01/95	7853	90547	FLORENCE AE-1A	FOUTZ	431	20.00	30.00	8
02/01/95	7854	90547	FLORENCE AE-1A	FOUTZ	831	10.00	20.00	8
02/01/95	7855	90547	FLORENCE AE-1A	FOUTZ	131	10.00	30.00	8
02/01/95	7856	90547	FLORENCE AE-1A	FOUTZ	835	10.00	30.00	8
02/02/95	7857	72912	MUDGE #20	FOUTZ	831	50.00	50.00	8
02/02/95	7858	72912	MUDGE #20	FOUTZ	131	50.00	50.00	8
02/02/95	7859	72912	MUDGE #20	FOUTZ	934	50.00	50.00	8
02/02/95	7860	72912	MUDGE #20	FOUTZ	835	50.00	50.00	8
02/02/95	7861	72912	MUDGE #20	FOUTZ	431	40.00	40.00	8
02/02/95	7862	72912	MUDGE #20	FOUTZ	935	40.00	40.00	8
02/03/95	7863	72912	MUDGE #20	FOUTZ	131	30.00	40.00	8
02/03/95	7864	72912	MUDGE #20	FOUTZ	132	20.00	30.00	8
02/03/95	7865	72912	MUDGE #20	FOUTZ	934	30.00	30.00	8
02/03/95	7866	72912	MUDGE #20	FOUTZ	935	30.00	30.00	8
02/03/95	7867	72912	MUDGE #20	FOUTZ	835	20.00	30.00	8
02/03/95	7868	72912	MUDGE #20	FOUTZ	431	20.00	30.00	8
02/06/95	7869	73034	NICKLES #1	FOUTZ	934	10.00	20.00	8
02/06/95	7870	73034	NICKLES #1	FOUTZ	935	10.00	20.00	8
02/06/95	7871	73034	NICKLES #1	B E I	6000	10.00	20.00	8
02/06/95	7872	73034	NICKLES #1	B E I	6002	10.00	20.00	8
02/06/95	7873	95309	T L RHODES B-1E	FOUTZ	935	0.00	20.00	
02/06/95	7874	95309	T L RHODES B-1E	FOUTZ	934	0.00	10.00	
02/06/95	7875	NA005	TRUNK B LINE DRIP	B E I	6000	0.00	10.00	
02/06/95	7876	73284	PAUL HALL #1	B E I	6002	0.00	10.00	
02/06/95	7877	95309	T L RHODES B-1E	B E I	6000	0.00	20.00	
02/06/95	7878	87546	ELLIOT A #2	B E I	6002	30.00	20.00	8
02/07/95	7879	89797	HORTON #6	FOUTZ	935	0.00	10.00	
02/07/95	7880	89797	HORTON #6	FOUTZ	835	0.00	10.00	
02/07/95	7881	73392	McKENZIE #1	FOUTZ	132	10.00	10.00	8
02/07/95	7882	NA010	TRUNK D LOOP LINE DRIP	B E I	6002	0.00	10.00	
02/07/95	7883	73392	McKENZIE #1	FOUTZ	935	0.00	10.00	
02/07/95	7884	73392	McKENZIE #1	FOUTZ	835	0.00	10.00	
02/08/95		XXXXX	NO HAUL TODAY			0.00	0.00	
02/09/95		XXXXO	NO HAUL TODAY			0.00	0.00	
02/10/95	7885	90619	L V HAMNER A #1A	FOUTZ	432	40.00	40.00	8
02/10/95	7886	90619	L V HAMNER A #1A	FOUTZ	934	40.00	40.00	8
02/10/95	7887	90619	L V HAMNER A #1A	FOUTZ	831	50.00	60.00	8
02/10/95	7888	90619	L V HAMNER A #1A	FOUTZ	835	40.00	50.00	8
02/10/95	7889	93974	RED FERN #7	B E I	6003	0.00	10.00	
02/10/95	7890	90619	L V HAMNER A #1A	B E I	6003	10.00	0.00	8
02/10/95	7891	90935	BRUINGTON #1E	FOUTZ	432	20.00	20.00	8
02/10/95	7892	90935	BRUINGTON #1E	FOUTZ	934	20.00	20.00	8

TOTALS : 930.00 1,170.00

NOTE: BILLING YARDAGE FOR PERIOD 02/01/95 TO 02/10/95 IS 820 CONT. AND 1,110 BACKFILL SEE FIRST 5 ENTRIES.

REQUEST FOR APPL. TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> 2. First 3/9/95 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)		4. Name of Transporter <u>Riley</u>
2. Destination <u>Tierra Crouch Mesa Landfarm</u>		5. Generator <u>Meridian Oil</u>
3. Address of Facility Operator <u>907 West Apache, Farmington, N.M. 87401</u>		6. Name of Originating Site <u>McGloth SWD</u>
7. Originating Location of Material (Street Address or ULSTR) <u>T 30 N, R 12 W, S 34</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 certification 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Approximately 400 BBLs of Sludge, Produced From Disposal Well operation and approximately 20 cubic yards of Solids Also produced from Disposal well operations.

RECEIVED  
MAR 10 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 400 BBLs + 20 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE CEO DATE 3/9/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny L. Foust TITLE Geologist DATE 3/10/95

APPROVED BY Ernie Bush TITLE Geologist DATE 3/22/95

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
P. O. Drawer 15250  
Farmington, NM 87401  
(505) 325-0924  
327-1471

## CERTIFICATE OF WASTE STATUS EXEMPT OILFIELD WASTE

### Originating

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

M'GRATH SWD

T30N R12W S34

This material originated:

☒ In The State of New Mexico

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

Source: BACKWASH FILTER SLUDGE TANK (400 BBL)

OILY DIET FROM SLUDGE TANK CUBIN-OUT OPS (20 YDS)

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 KEVIN C. MYERS

representative for MERIDIAN OIL

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

Kevin C. Myers

Title

ENVIRONMENTAL SPECIALIST

Address

3535 E. 30th FARMINGTON

Date

3-8-95

Post-It™ brand fax transmittal memo 7671		# of pages: 1
To	NAME: <u>KEVIN MYERS</u>	From
Co.	<u>TIERRA</u>	Co.
Dept.		Phone #
Fax #		Fax #



REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Burlington	
2. Destination Tierra Croush Mesa Landfarm	5. Generator El Paso Natural Gas	
3. Address of Facility Operator 907 West Apache, Farmington, NM 87401	6. Name of Originating Site See Attached List	
7. Originating 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 certification 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Various dehydrator and drip pits at pit closure sites for January 1995

**RECEIVED**  
FEB 13 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 990 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE President DATE 2/9/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY Denny G. Fout TITLE Geologist DATE 3/1/95

APPROVED BY Ernest G. Borch TITLE Geologist DATE 3/2/95

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.)

A list of pit closure sites is attached. January 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 February 8, 1995

CLOSED	METER	METER2	LOCATION	S_T_R_L
01/03/95	89898		Annie B #1	13-30-12-N
01/03/95	03904		Gallegos Canyon U #160E	27-29-12-N
01/04/95	93156		Mary Ackroyd #1	18-30-11-J
01/16/95	73972		Bell Federal GC A #1E	12-30-13-G
01/23/95	N/A		Lat 3B-39	10-29-09-M
01/23/95	94925		Federal R #2	15-27-08-P
01/23/95	90709		Federal E #5	23-27-08-J
01/23/95	94763		Gale #1R	13-29-11-M
01/25/95	90018		Molly Pitcher	14-30-14-H
01/25/95	93110		Astec #2E	35-30-14-G
01/25/95	87393		Finon #1	13-30-14-F
01/26/95	89881		Houck GC A #1A	06-29-09-D
01/30/95	72109		Viersen #1	19-30-13-A
01/30/95	72556		Knight #1	05-30-13-A
01/30/95	94911		Mexico Fed L #1R	10-30-13-K
01/30/95	93267		Five of Diamonds #2	10-30-13-K
01/30/95	90840		Mexico Fed L #1E	10-30-13-C
01/31/95	74943		NN Com G #1	36-30-10-P
01/31/95	89932		Heath GC C #1A	31-30-09-N
01/31/95	75319		Heath GC R #1	32-30-09-G

To: Connie

From: Gary R. Martinez

for our conversation

JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	01/03/95	ANNIE B#1	89898	60.00 ✓	70.00	8
	01/03/95	GALLEGOS CYN #301	93339	0.00 ✓	20.00	
	01/03/95	GALLEGOS CYN 160E	03904	30.00 ✓	10.00	8
	01/04/95	MARY ACKROYD #1	93156	20.00 ✓	30.00	8
	01/05/95	NO HAUL TODAY	XXXXX	0.00	0.00	
	01/06/95	NO HAUL TODAY	XXXXO	0.00	0.00	
	01/09/95	NO HAUL TODAY	XXXOO	0.00	0.00	
	01/10/95	NO HAUL TODAY	XXOOO	0.00	0.00	
	01/11/95	STANDARD WICKLES #1	73287	0.00	10.00	
	01/11/95	COM #3	90541	0.00	10.00	
	01/12/95	HAUL CANCELED	XOXOX	0.00	0.00	
	01/13/95	NO HAUL TODAY	XOOOO	0.00	0.00	
	01/16/95	PINION 1E	93398	0.00	10.00	
	01/16/95	BELL FED G.C. A#1E	73972	60.00 ✓	70.00	8
	01/17/95	NO HAUL WEATHER	OOOOO	0.00	0.00	
	01/18/95	NO HAUL WEATHER	OOOOX	0.00	0.00	
	01/19/95	NO HAUL TODAY	OOOXX	0.00	0.00	
	01/20/95	NO HAUL TODAY	OOXXX	0.00	0.00	
	01/23/95	LAT 3B-39 LINE DRIP	NA005	60.00 ✓	170.00	8
	01/23/95	LAT 3B-38 LINE DRIP	NA010	0.00 ✓	40.00	
	01/23/95	LAT A-30 LINE DRIP	NA015	0.00 ✓	20.00	
	01/23/95	HOWELL L #3	70053	0.00 ✓	40.00	
	01/23/95	FEDERAL R #2	94925	50.00 ✓	60.00	8
	01/23/95	GALE 1R	94763	40.00 ✓	10.00	8
	01/23/95	FEDERAL E #5	90709	20.00 ✓	0.00	8
	01/24/95	FLORENCE #103	94464	0.00	20.00	
	01/24/95	HEATON A-1E	95166	0.00	10.00	
	01/25/95	MOLLY PITCHER #1	90018	70.00 ✓	90.00	8
	01/25/95	PINION #1	87393	120.00 ✓	160.00	8
	01/25/95	AZTEC #2E	93110	60.00 ✓	30.00	8
	01/26/95	CARPENTER #1E	93070	0.00	60.00	
	01/26/95	HOUCK A-1A	89881	90.00 ✓	80.00	8
	01/27/95	NO HAUL WEATHER	OXXXX	0.00	0.00	
	01/30/95	VIERSON #1	72109	10.00 ✓	50.00	8
	01/30/95	FIVE OF DIAMONDS	93267	10.00 ✓	20.00	8
	01/30/95	KWIGHT #1	72556	60.00 ✓	80.00	8
	01/30/95	MEXICO FED L-1R	94911	30.00 ✓	30.00	8
	01/30/95	MEXICO FED L-1E	90840	60.00 ✓	10.00	8

## CONDENSED RECAP

CLIENT : EL PASO N.G.

PAGE 2

JOB #	DATE COMP.	LOCATION	METER #	CONT	FILL	CELL
94022	01/31/95	N M COM G1	74943	80.00 ✓	120.00	8
	01/31/95	HEATH G.C. C-1A	89932	20.00 ✓	40.00	8
	01/31/95	HEATH G.C. #K1	75319	40.00 ✓	40.00	8
TOTALS :				990.00	1,410.00	

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
01/03/95	1706	89898	ANNIE B#1	FOUTZ	831	20.00	20.00	8
01/03/95	1707	89898	ANNIE B#1	FOUTZ	934	20.00	20.00	8
01/03/95	1708	93339	GALLEGOS CYN #301	FOUTZ	935	0.00	20.00	
01/03/95	1709	89898	ANNIE B#1	FOUTZ	835	20.00	30.00	8
01/03/95	1710	03904	GALLEGOS CYN 160E	FOUTZ	935	20.00	10.00	8
01/03/95	1711	03904	GALLEGOS CYN 160E	FOUTZ	835	10.00	0.00	8
01/04/95	1712	93156	MARY ACKROYD #1	FOUTZ	934	10.00	10.00	8
01/04/95	1713	93156	MARY ACKROYD #1	FOUTZ	935	10.00	20.00	8
01/05/95		XXXXX	NO HAUL TODAY			0.00	0.00	
01/06/95		XXXXO	NO HAUL TODAY			0.00	0.00	
01/09/95		XXCOO	NO HAUL TODAY			0.00	0.00	
01/10/95		XXOOO	NO HAUL TODAY			0.00	0.00	
01/11/95	1714	73287	STANDARD NICKLES #1	FOUTZ	431	0.00	10.00	
01/11/95	1715	90541	COM #3	FOUTZ	431	0.00	10.00	
01/12/95		XOXOX	HAUL CANCELED			0.00	0.00	
01/13/95		XOOOO	NO HAUL TODAY			0.00	0.00	
01/16/95	1716	93398	PINION 1E	FOUTZ	835	0.00	10.00	
01/16/95	1717	73972	BELL FED G.C. A#1E	FOUTZ	935	20.00	20.00	8
01/16/95	1718	73972	BELL FED G.C. A#1E	FOUTZ	431	20.00	30.00	8
01/16/95	1719	73972	BELL FED G.C. A#1E	FOUTZ	132	20.00	20.00	8
01/17/95		OOOOO	NO HAUL WEATHER			0.00	0.00	
01/18/95		OOOOX	NO HAUL WEATHER			0.00	0.00	
01/19/95		OOOXX	NO HAUL TODAY			0.00	0.00	
01/20/95		OOXXX	NO HAUL TODAY			0.00	0.00	
01/23/95	1720	NA005	LAT 3B-39 LINE DRIP	FOUTZ	431	10.00	20.00	8
01/23/95	1721	NA005	LAT 3B-39 LINE DRIP	FOUTZ	131	10.00	40.00	8
01/23/95	1722	NA005	LAT 3B-39 LINE DRIP	FOUTZ	934	10.00	40.00	8
01/23/95	1723	NA005	LAT 3B-39 LINE DRIP	FOUTZ	731	10.00	20.00	8
01/23/95	1724	NA010	LAT 3B-38 LINE DRIP	FOUTZ	835	0.00	40.00	
01/23/95	1725	NA005	LAT 3B-39 LINE DRIP	FOUTZ	935	10.00	30.00	8
01/23/95	1726	NA015	LAT A-30 LINE DRIP	FOUTZ	L-64	0.00	20.00	
01/23/95	1727	70053	HOWELL L #3	FOUTZ	409	0.00	20.00	
01/23/95	1728	70053	HOWELL L #3	FOUTZ	132	0.00	20.00	
01/23/95	1729	NA005	LAT 3B-39 LINE DRIP	FOUTZ	831	10.00	20.00	8
01/23/95	1730	94925	FEDERAL R #2	FOUTZ	L-64	10.00	10.00	8
01/23/95	1731	94925	FEDERAL R #2	FOUTZ	731	10.00	20.00	8
01/23/95	1732	94763	GALE 1R	FOUTZ	L-64	10.00	0.00	8
01/23/95	1733	94925	FEDERAL R #2	FOUTZ	131	10.00	0.00	8
01/23/95	1734	94925	FEDERAL R #2	FOUTZ	835	10.00	0.00	8
01/23/95	1735	94763	GALE 1R	FOUTZ	731	20.00	10.00	8
01/23/95	1736	94763	GALE 1R	FOUTZ	431	10.00	0.00	8
01/23/95	1737	90709	FEDERAL E #5	FOUTZ	934	10.00	0.00	8
01/23/95	1738	90709	FEDERAL E #5	FOUTZ	935	10.00	0.00	8
01/23/95	1955	94925	FEDERAL R #2	FOUTZ	431	10.00	20.00	8
01/23/95	1956	94925	FEDERAL R #2	FOUTZ	935	0.00	10.00	
01/24/95	1739	94464	FLORENCE #103	FOUTZ	831	0.00	10.00	
01/24/95	1740	94464	FLORENCE #103	FOUTZ	934	0.00	10.00	
01/24/95	1741	95166	HEATON A-1E	FOUTZ	935	0.00	10.00	
01/24/95	1742	90018	MOLLY PITCHER #1	FOUTZ	431	10.00	10.00	8
01/24/95	1743	90018	MOLLY PITCHER #1	FOUTZ	835	20.00	20.00	8
01/24/95	1744	90018	MOLLY PITCHER #1	FOUTZ	731	20.00	20.00	8
01/25/95	1745	87393	PINION #1	FOUTZ	831	20.00	30.00	8
01/25/95	1746	87393	PINION #1	FOUTZ	731	20.00	30.00	8
01/25/95	1747	90018	MOLLY PITCHER #1	FOUTZ	131	10.00	20.00	8
01/25/95	1748	90018	MOLLY PITCHER #1	FOUTZ	934	10.00	20.00	8
01/25/95	1749	87393	PINION #1	FOUTZ	132	30.00	40.00	8
01/25/95	1750	87393	PINION #1	FOUTZ	835	20.00	30.00	8

DATE	T/NO.	METER	LOCATION	CARRIER	TRK #	CONT	FILL	CELL
01/25/95	7701	87393	PINION #1	FOUTZ	131	20.00	20.00	8
01/25/95	7702	87393	PINION #1	FOUTZ	934	10.00	10.00	8
01/25/95	7703	93110	AZTEC #2E	FOUTZ	934	10.00	10.00	8
01/25/95	7704	93110	AZTEC #2E	FOUTZ	731	20.00	10.00	8
01/25/95	7705	93110	AZTEC #2E	FOUTZ	132	20.00	10.00	8
01/25/95	7706	93110	AZTEC #2E	FOUTZ	131	10.00	0.00	8
01/26/95	7707	93070	CARPENTER #1E	FOUTZ	731	0.00	20.00	
01/26/95	7709	93070	CARPENTER #1E	FOUTZ	132	0.00	20.00	
01/26/95	7710	93070	CARPENTER #1E	FOUTZ	431	0.00	20.00	
01/26/95	7711	89881	HOUCK A-1A	FOUTZ	934	20.00	20.00	8
01/26/95	7712	89881	HOUCK A-1A	FOUTZ	831	20.00	20.00	8
01/26/95	7713	89881	HOUCK A-1A	FOUTZ	935	20.00	20.00	8
01/26/95	7714	89881	HOUCK A-1A	FOUTZ	835	20.00	20.00	8
01/26/95	7715	89881	HOUCK A-1A	FOUTZ	431	10.00	0.00	8
01/27/95		OXXXX	NO HAUL WEATHER			0.00	0.00	
01/30/95	7716	72109	VIERSON #1	FOUTZ	431	10.00	10.00	8
01/30/95	7717	72109	VIERSON #1	FOUTZ	934	0.00	20.00	
01/30/95	7718	72109	VIERSON #1	FOUTZ	831	0.00	20.00	
01/30/95	7719	93267	FIVE OF DIAMONDS	FOUTZ	835	10.00	20.00	8
01/30/95	7720	72556	KNIGHT #1	FOUTZ	935	20.00	30.00	8
01/30/95	7721	94911	MEXICO FED #1	FOUTZ	831	10.00	10.00	8
01/30/95	7722	94911	MEXICO FED #1	FOUTZ	431	10.00	10.00	8
01/30/95	7723	94911	MEXICO FED L-1R	FOUTZ	934	10.00	10.00	8
01/30/95	7724	72556	KNIGHT #1	FOUTZ	409	10.00	20.00	8
01/30/95	7725	72556	KNIGHT #1	FOUTZ	831	10.00	10.00	8
01/30/95	7726	72556	KNIGHT #1	FOUTZ	934	10.00	10.00	8
01/30/95	7727	72556	KNIGHT #1	FOUTZ	835	10.00	10.00	8
01/30/95	7728	90840	MEXICO FED L-1E	FOUTZ	431	20.00	10.00	8
01/30/95	7729	90840	MEXICO FED L-1E	FOUTZ	831	10.00	0.00	8
01/30/95	7730	90840	MEXICO FED L-1E	FOUTZ	934	10.00	0.00	8
01/30/95	7731	90840	MEXICO FED L-1E	FOUTZ	835	10.00	0.00	8
01/30/95	7732	90840	MEXICO FED L-1E	FOUTZ	935	10.00	0.00	8
01/31/95	7733	74943	N M COM G1	FOUTZ	431	20.00	30.00	8
01/31/95	7734	74943	N M COM G1	FOUTZ	831	20.00	30.00	8
01/31/95	7735	74943	N M COM G1	FOUTZ	131	10.00	20.00	8
01/31/95	7736	74943	N M COM G1	FOUTZ	835	10.00	20.00	8
01/31/95	7737	89932	HEATH G.C. C-1A	FOUTZ	935	10.00	20.00	8
01/31/95	7738	89932	HEATH G.C. C-1A	FOUTZ	934	10.00	20.00	8
01/31/95	7739	74943	N M COM G1	FOUTZ	935	10.00	10.00	8
01/31/95	7740	74943	N M COM G1	FOUTZ	934	10.00	10.00	8
01/31/95	7741	75319	HEATH G.C. #K1	FOUTZ	835	10.00	10.00	8
01/31/95	7742	75319	HEATH G.C. #K1	FOUTZ	131	10.00	10.00	8
01/31/95	7743	75319	HEATH G.C. #K1	FOUTZ	431	10.00	10.00	8
01/31/95	7744	75319	HEATH G.C. #K1	FOUTZ	831	10.00	10.00	8

TOTALS : 990.00 1,410.00

RF T F R APPF TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ No. Exempt: ☒ D. Foust-1/18/95

4. Name of Transporter

Verbal Approval Received: Yes ☒ No ☐

Doug Foutz

2. Destination

5. Generator

Tierra Environmental Corp. Landfarm

Gary Williams Energy

3. Address of Facility Operator

6. Name of Originating Site

907 W. Apache, Farmington, NM 87401

Chromo

7. Originating Location of Material (Street Address or ULSTR)

8. State

Sec 4 T32N R1E, Archuleta County

Colorado

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, 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 Environment Department 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 trans

BRIEF DESCRIPTION OF THE MATERIAL:

Pup turn over on January 17, 1995 spilling crude oil on Hwy. 84

RECEIVED RECEIVED  
FEB 14 1995 FEB - 8 1995  
OIL CON. DIV. OIL CON. DIV.  
DIST. 3 DIST. 3

Estimated Volume 15-20 bbls. yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul):

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

SIGNATURE [Signature] TITLE Special Projects Manager DATE 2/6/95

TYPE OR PRINT NAME Connie Dinning TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 2/9/95

APPROVED BY [Signature] TITLE GEOLOGIST DATE 2-13-95

CONDITIONS OF APPROVAL, IF ANY:

SF 2/9/95



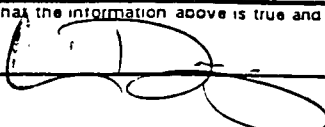
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> D. Foust-1/18/95 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Doug Foutz	
2. Destination Tierra Environmental Corp. Landfarm	5. Generator Gary Williams Energy	
3. Address of Facility Operator 907 W. Apache, Farmington, NM 87401	6. Name of Originating Site Chromo	
7. Originating Location of Material (Street Address or ULSTR) Sec 4 T32N R1E, Archuleta County	8. State Colorado	
9. Check One		
<input type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; certificate per job. <input checked="" 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 Environment Department 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:		
BRIEF DESCRIPTION OF THE MATERIAL:		

Pup turn over on January 17, 1995 spilling crude oil on Hwy. 84

**RECEIVED**  
FEB - 8 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 15-20 bbls. yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): \_\_\_\_\_

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

SIGNATURE  TITLE Special Projects Manager DATE 2/6/95

TYPE OR PRINT NAME Connie Dinning TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 2/9/95

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

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 2/9/95



# TIERRA ENVIRONMENTAL CORPORATION

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

## CERTIFICATE OF WASTE STATUS NON-EXEMPT OILFIELD WASTE

Originating

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

OFF HWY 84 IN CHROMO, CO NEXT TO SCHUTE RANCH

Source: CLEANUP OF CONTAMINATED SOIL AND DEBRIS  
FROM SPILL OF APPROXIMATELY 20 BBLs OF  
CRUDE OIL AS RESULT OF OVERTURNING A  
CRUDE TRANSPORT TRUCK PUP.

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, CHRIS HAWLEY ENVIRONMENTAL MGR representative  
for GARY-WILLIAM'S ENERGY CORPORATION

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

☒ MSDS Information

☒ RCRA TCLP Analysis

☐ RCRA Metals

☐ Corrosivity, Ignitability, Reactivity

☒ Letter from Out of State Regulatory Agency

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

Signature

Chris Hawley

Title

ENVIRONMENTAL MANAGER

CERTIFICATE FROM OUT OF STATE AGENCY  
<sup>NEW</sup>  
AUTHORIZING REMOVAL OF RCRA-EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning <sup>1107</sup> RCRA exempt material from THICMO, COLORADO (ARCHULETA CO) and do agree that the material is ~~non-hazardous and therefore exempt~~ from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

~~\_\_\_\_\_The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.~~

~~\_\_\_\_\_The material is exempt from regulation by characteristic analysis.~~

~~\_\_\_\_\_The material is exempt from regulation by product identification.~~

As a representative for Archuleta County, I have no objections to the material being removed to New Mexico.

~~THE MATERIAL IS CREATING AN IMMEDIATE TO HEALTH SAFETY OF THE~~

Name: Russell L. Crowley Title: Director

Signature Russell L. Crowley Date 1-18-95

Agency Archuleta County, Designated Emergency Response Authority

Address P.O. Box 1507 449 San Juan Pagosa Springs, CO 81147

Phone (303) 264-4440

ENVIRONMENT  
AND HIST.  
REMOVED  
FACILITY.



**ARDINAL**  
LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 116 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

# FINAL ANALYSIS REPORT

Company: Gary Energy  
Address: P.O. Box 159  
City, State: Bloomfield, NM 87419

Date: 1/26/95  
Lab #: SJ1152

Project Name: 95002  
Location: Chromo, Colorado  
Sampled by: CD  
Analyzed by: SW  
Sample Type: Soil

Date: 1/19-20/95 Time: 1400  
Date: 1/20/95 Time: 1149  
Sample Condition: Intact Units: mg/kg

\*\*\*\*\*

Samp

#	FIELD CODE	TRPHC
1	East End of Culvert	180.3
2	West Side of Pit	12.2
3	West Side - Bottom of Pit	27.0
4	East Side of Road	1.9

QC Recovery	85.3
QC Spike	88.0
Accuracy	96.9%

Methods - INFRARED SPECTROSCOPY  
- EPA SW-846; 418.1, 3540 OR 3510

*Ramon Williams*

1-26-95

Date


**CARDINAL**  
**LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
 GARY ENERGY  
 PO BOX 159  
 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95  
 Reporting Date: 01/31/95  
 Project Number: SJ1152  
 Project Name: 95002  
 Project Location: CHROMO, COLORADO

Sampling Date: NONE GIVEN  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: SW  
 Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY (°F)
		H <sub>2</sub> S/kg	HCN/kg		
ANALYSIS DATE:		01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF EXCAVATED SOIL	0.24	<0.03	7.52	>140
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010

 Wei Li  
 Wei Li, Chemist

 1-31-95  
 Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4889 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

**ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419**

Receiving Date: 01/24/95

Reporting Date: 01/31/95

Project Number: SJ1152

Project Name: 95002

Project Location: CHROMO COLORADO

Sample ID: COMPOSITE OF EXCAVATED SOIL

Lab Number: SJ1152-5

Analysis Date: 01/31/95

Sampling Date: NONE GIVEN

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: SW

Analyzed By: SL

TCLP VOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	6.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	108	106	100
Carbon tetrachloride	0.50	0.001	<0.001	<0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0.001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1
Toluene - d8	101	1
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

Scott A. Latimer, Chemist

1-31-95  
Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419

Receiving Date: 01/24/95  
Reporting Date: 01/31/95  
Project Number: SJ1152  
Project Name: 95002  
Project Location: CHROMO COLORADO  
Sample ID: COMPOSITE OF EXCAVATED SOIL  
Lab Number: SJ1152-5

Analysis Date: 01/31/95  
Sampling Date: NONE GIVEN  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SW  
Analyzed By: SL

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Pyridine	5.00	0.002	<0.002	<0.002	53.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	98	50
o-Cresol	200	0.002	<0.002	<0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachloroethane	3.00	0.002	<0.002	<0.002	51.0	102	50
Nitrobenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	50
2,4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	98	50
2,4,5-Trichlorophenol	400	0.002	<0.002	<0.002	47.0	94	50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.002	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE
Fluorophenol	75	3
Phenol-d5	MI	1
Nitrobenzene-d5	93	3
2-Fluorobiphenyl	102	1
2,4,6-Tribromophenol	111	3
Terphenyl-d14	93	4

METHODS: EPA SW 846-8270  
MI-Matrix Interference

*Scott A. Latimer*  
Scott A. Latimer, Chemist

1-31-95  
Date



# TIERRA ENVIRONMENTAL CORPORATION

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

February 1, 1995

Roger Anderson  
Director of Environmental Services  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

RE: <sup>BARCY WILLIAMS ENERGY CORP</sup> Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Remediation  
of contaminated soil at Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

Attached please find copies of the TCLP analyses run for the contaminated soil from the above referenced spill. All the contaminants are within the acceptable range to render the material exempt by characteristic analysis.

We hereby request permission to spread the soil in an operating cell on the Crouch Mesa Landfarm to begin remediation.

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD  
ENC





PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
 GARY ENERGY  
 PO BOX 159  
 BLOOMFIELD, NM 87419

Receiving Date: 01/24/95  
 Reporting Date: 01/31/95  
 Project Number: SJ1152  
 Project Name: 95002  
 Project Location: CHROMO, COLORADO

Sampling Date: NONE GIVEN  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: SW  
 Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY (°F)
		H <sub>2</sub> S/kg	HCN/kg		
ANALYSIS DATE:		01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF	0.24	<0.03	7.52	>140
	EXCAVATED SOIL				
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010

Wei Li  
 Wei Li, Chemist

1-31-95  
 Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419

Receiving Date: 01/24/95  
Reporting Date: 01/31/95  
Project Number: SJ1152  
Project Name: 95002  
Project Location: CHROMO COLORADO  
Sample ID: COMPOSITE OF EXCAVATED SOIL  
Lab Number: SJ1152-5

Analysis Date: 01/31/95  
Sampling Date: NONE GIVEN  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SW  
Analyzed By: SL

TCLP VOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	6.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	106	106	100
Carbon tetrachloride	0.50	0.001	<0.001	<0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0.001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1
Toluene - d8	101	1
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

  
Scott A. Latimer, Chemist

1-31-95  
Date

01/31/95

18:23

NO. 806



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419

Receiving Date: 01/24/95  
Reporting Date: 01/31/95  
Project Number: SJ1152  
Project Name: 95002  
Project Location: CHROMO COLORADO  
Sample ID: COMPOSITE OF EXCAVATED SOIL  
Lab Number: SJ1152-5

Analysis Date: 01/31/95  
Sampling Date: NONE GIVEN  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SW  
Analyzed By: SL

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Pyridine	5.00	0.002	<0.002	<0.002	63.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	98	50
o-Cresol	200	0.002	<0.002	<0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachloroethane	3.00	0.002	<0.002	<0.002	61.0	102	50
Nitrobenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	50
2,4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	98	50
2,4,5-Trichlorophenol	400	0.002	<0.002	<0.002	47.0	94	50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.002	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE
Fluorophenol	75	3
Phenol-d5	MI	1
Nitrobenzene-d5	93	3
2-Fluorobiphenyl	102	1
2,4,6-Tribromophenol	111	3
Terphenyl-d14	93	4

METHODS: EPA SW 846-8270  
MI-Matrix Interference

*Scott A. Latimer*  
Scott A. Latimer, Chemist

1-31-95  
Date



# TIERRA ENVIRONMENTAL CORPORATION

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

January 30, 1995

Roger Anderson  
Director of Environmental Services  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

*GARY WILLIAMS ENERGY*  
RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Transport of contaminated soil to Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

In the interest of public health and safety, the Archuleta County Emergency Management Safety Designated Emergency Response Authority, Mr. Russell Crowley, authorized the transport of the contaminated material referenced above. The form providing this authorization is attached. The material is currently stored at the Crouch Mesa Landfarm in a bermed area on a plastic liner away from normal operations awaiting results of a TCLP analysis. Denny Foust of the

AZTEC DOD OFFICE GAVE VERBAL APPROVAL TO STORE THE MATERIAL AT THE TIERRA LANDFARM ON JANUARY 18, 1995.

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD  
ENC

CERTIFICATE FROM OUT OF STATE AGENCY  
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning RCRA exempt material from CHROMO, COLORADO (ARCHULETA CO) and do agree that the material is ~~non-hazardous and therefore~~ exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

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

~~\_\_\_\_\_ The material is exempt from regulation by characteristic analysis.~~

~~\_\_\_\_\_ The material is exempt from regulation by product identification.~~

As a representative for Archuleta County, I have no objections to the material being removed to New Mexico.

*THE MATERIAL IS CREATING AN IMMEDIATE TO HEALTH SAFETY OF THE*

Name: Russell L. Crowley Title: Director

Signature Russell L. Crowley Date 1-18-95

Agency Archuleta County, Designated Emergency Response Authority

Address P.O. Box 1507 449 San Juan Pagosa Springs, CO 81147

Phone (303) 264-4440

ENVIRONMENT  
AND MUST  
REMOVED &  
SECURE  
FACILITY.



TIERRA  
ENVIRONMENTAL CORPORATION

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

February 1, 1995

RECEIVED  
FEB - 3 1995

OIL CON. DIV.  
DIST. 3

Roger Anderson  
Director of Environmental Services  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Remediation of contaminated soil at Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

Attached please find copies of the TCLP analyses run for the contaminated soil from the above referenced spill. All the contaminants are within the acceptable range to render the material exempt by characteristic analysis.

We hereby request permission to spread the soil in an operating cell on the Crouch Mesa Landfarm to begin remediation.

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD  
ENC


**ARDINAL**  
 LABORATORIES

PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

**RECEIVED**  
 FEB - 3 1995

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

 ANALYTICAL RESULTS FOR  
 GARY ENERGY  
 PO BOX 159  
 BLOOMFIELD, NM 87419

 Receiving Date: 01/24/95  
 Reporting Date: 01/31/95  
 Project Number: SJ1152  
 Project Name: 95002  
 Project Location: CHROMO, COLORADO

 Sampling Date: NONE GIVEN  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: SW  
 Analyzed By: JH

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY (°F)
		H <sub>2</sub> S/kg	HCN/kg		
ANALYSIS DATE:		01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF EXCAVATED SOIL	0.24	<0.03	7.52	>140
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent Difference		NR	NR	0	NR

LAB NUMBER	SAMPLE ID	REACTIVITY		CORROSIVITY	IGNITABILITY (°F)
		H <sub>2</sub> S/kg	HCN/kg		
ANALYSIS DATE:		01/24/95	01/24/95	01/24/95	01/30/95
SJ1152-5	COMPOSITE OF EXCAVATED SOIL	0.24	<0.03	7.52	>140
Quality Control		NR	NR	6.96	NR
True Value QC		NR	NR	7.00	NR
% Accuracy		NR	NR	99	NR
Relative Percent Difference		NR	NR	0	NR

METHOD: EPA SW 846-7.3, 7.2, 1010

Wei Li, Chemist

Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4889 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

**RECEIVED**  
FEB - 3 1995

ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419

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


Receiving Date: 01/24/95  
Reporting Date: 01/31/95  
Project Number: SJ1152  
Project Name: 95002  
Project Location: CHROMO COLORADO  
Sample ID: COMPOSITE OF EXCAVATED SOIL  
Lab Number: SJ1152-5

Analysis Date: 01/31/95  
Sampling Date: NONE GIVEN  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SW  
Analyzed By: SL

TCLP VOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Vinyl chloride	0.20	0.001	<0.001	<0.001	109	109	100
1,1-Dichloroethylene	0.70	0.001	<0.001	<0.001	109	109	100
Methyl ethyl ketone	200.00	0.001	<0.001	<0.001	103	103	100
Chloroform	8.00	0.001	<0.001	<0.001	102	102	100
1,2-Dichloroethane	0.50	0.001	<0.001	<0.001	106	106	100
Benzene	0.50	0.001	<0.001	<0.001	106	106	100
Carbon tetrachloride	0.50	0.001	<0.001	<0.001	105	105	100
Trichloroethylene	0.50	0.001	<0.001	<0.001	104	104	100
Tetrachloroethylene	0.70	0.001	<0.001	<0.001	103	103	100
Chlorobenzene	100.00	0.001	<0.001	<0.001	95	95	100
1,4-Dichlorobenzene	7.50	0.001	<0.001	<0.001	103	103	100

	% Recovery	Relative Percent Difference
Dibromofluoromethane	101	1
Toluene - d8	101	1
Bromofluorobenzene	99	0

METHODS: EPA SW-846-8260, 1311

  
Scott A. Latimer, Chemist

1-31-95  
Date



01/31/95

18:23

NO. 806



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR  
GARY ENERGY  
PO BOX 159  
BLOOMFIELD, NM 87419

RECEIVED  
FEB - 3 1995

OIL CON. DIV.  
DIST. 3

Receiving Date: 01/24/95  
Reporting Date: 01/31/95  
Project Number: SJ1152  
Project Name: 95002  
Project Location: CHROMO COLORADO  
Sample ID: COMPOSITE OF EXCAVATED SOIL  
Lab Number: SJ1152-5

Analysis Date: 01/31/95  
Sampling Date: NONE GIVEN  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: SW  
Analyzed By: SL

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Detection Limit	Sample Result SJ1152-5	Method Blank	QC	%IA	True Value QC
Pyridine	5.00	0.002	<0.002	<0.002	53.0	106	50
1,4-Dichlorobenzene	7.50	0.002	<0.002	<0.002	49.0	98	50
o-Cresol	200	0.002	<0.002	<0.002	49.0	98	50
m, p-Cresol	200	0.002	<0.002	<0.002	48.0	48	100
Hexachloroethane	3.00	0.002	<0.002	<0.002	51.0	102	50
Nitrobenzene	2.00	0.002	<0.002	<0.002	54.0	108	50
Hexachloro-1,3-butadiene	0.500	0.002	<0.002	<0.002	48.0	96	50
2,4,6-Trichlorophenol	2.00	0.002	<0.002	<0.002	48.0	96	50
2,4,5-Trichlorophenol	400	0.002	<0.002	<0.002	47.0	94	50
2,4-Dinitrotoluene	0.130	0.002	<0.002	<0.002	54.0	108	50
Hexachlorobenzene	0.130	0.002	<0.002	<0.002	47.0	94	50
Pentachlorophenol	100	0.002	<0.002	<0.002	45.0	90	50

	% RECOVERY	RELATIVE PERCENT DIFFERENCE
Fluorophenol	75	3
Phenol-d5	MI	1
Nitrobenzene-d5	93	3
2-Fluorobiphenyl	102	1
2,4,6-Tribromophenol	111	3
Terphenyl-d14	93	4

METHODS: EPA SW 846-8270  
MI-Matrix Interference

*Scott A. Latimer*  
Scott A. Latimer, Chemist

1-31-95  
Date



TIERRA  
ENVIRONMENTAL CORPORATION

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

January 30, 1995

RECEIVED  
FEB - 1 1995

OIL CON. DIV.  
DIST. 3

Roger Anderson  
Director of Environmental Services  
Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, NM 87505

*Gary Transportation* ✓  
RE: Crude oil tanker spill, January 17, 1995, Chromo, Colorado - Transport of contaminated soil to Tierra Crouch Mesa Landfarm.

Dear Mr. Anderson

In the interest of public health and safety, the Archuleta County Emergency Management Safety Designated Emergency Response Authority, Mr. Russell Crowley, authorized the transport of the contaminated material referenced above. The form providing this authorization is attached. The material is currently stored at the Crouch Mesa Landfarm in a bermed area on a plastic liner away from normal operations awaiting results of a TCLP analysis.

*Transported under  
DGF verbal authority*

Sincerely

Connie Dinning, Special Projects Manager

xc: Denny Foust, Aztec Office, NMOCD  
ENC

RECEIVED  
FEB - 1 1995  
OIL CON. DIV.  
DIST. 3

CERTIFICATE FROM OUT OF STATE AGENCY  
AUTHORIZING REMOVAL OF RCRA <sup>NON</sup> EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning RCRA exempt material from  
PHILCO, COLORADO (ARCHULETA CO) and do agree that the material  
is ~~non-hazardous and therefore~~ exempt from regulation by the Resource Conservation and  
Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

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

~~\_\_\_\_\_ The material is exempt from regulation by characteristic analysis.~~

~~\_\_\_\_\_ The material is exempt from regulation by product identification.~~

As a representative for Archuleta County, I \_\_\_\_\_ have no  
objections to the material being removed to New Mexico.

THE MATERIAL IS CREATING AN IMMEDIATE TO HEALTH SAFETY OF THE

Name: Russell L. Crowley Title: Director

Signature Russell L. Crowley Date 1-18-95

Agency Archuleta County, Designated Emergency Response Authority

Address P.O. Box 1507 449 San Juan Pagosa Springs, CO 81147

Phone (303) 264-4440

ENVIRONMENTAL  
AND MUST BE  
REMOVED TO  
A SECURE  
FACILITY.

**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**

**94022**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> DATE: 06/30/95 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 <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Originating Site SEE ATTACHED LIST
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Transporter PHILIP ENVIRONMENTAL
7. Location of Material (Street Address or ULSTR) <b>SEE ATTACHED LIST</b>	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:**

**Various dehydrator and drip pits at closure sites closed during  
JUNE 1995**

**RECEIVED**  
MAR 15 1996  
**OIL CON. DIV.**  
DIST. 3

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

Known Volume (to be entered by the operator at end of haul): **260** yd<sup>3</sup>

SIGNATURE *Larry F. Hunter* TITLE **OPERATIONS MGR.** DATE *RE-SUBMIT 3-11-96*  
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 *3/18/96*  
APPROVED BY *Steve Bunch* 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.)  
A list of pit closure sites is attached.

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 \_\_\_\_\_

Blaine - I believe  
this is the info.  
you requested  
last week.

Let me know  
if you need more  
info. DGM.

Tierra

CLOSED	METER	METER2	LOCATION	S T R L
6/7/95-03908			Canada Mesa Corn #4 C	10-24-6-A

7/10/95

EL PASO JUNE 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
6/7/95	CANADA MESA COM #4 cpu	3908	40.00	40.00	9
6/14/95	JACQUEZ #3 (RE-WORK)	93828	210.00	190.00	9
6/21/95	LINDRITH PIG SYS. #Y1	NA005	10.00	0.00	9
			SUM:	SUM:	
			260.00	230.00	

→ Remainder went to Envirotech (?)

EL PASO N.G. PIT PROJECT JUNE 1995

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT/YDS	BACK/YDS	CELL
6/7/95	9610	3908	CANADA MESA COM #4 cpu	FOUTZ	831	10.00	10.00	9
6/7/95	9611	3908	CANADA MESA COM #4 cpu	FOUTZ	934	10.00	10.00	9
6/7/95	9612	3908	CANADA MESA COM #4 cpu	FOUTZ	132	10.00	10.00	9
6/7/95	9613	3908	CANADA MESA COM #4 cpu	FOUTZ	835	10.00	10.00	9
6/13/95	9614	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	432	40.00	40.00	9
6/13/95	9615	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	831	40.00	40.00	9
6/13/95	9616	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	934	40.00	40.00	9
6/13/95	9617	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	132	30.00	30.00	9
6/13/95	9618	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	835	30.00	30.00	9
6/14/95	9619	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	831	10.00	0.00	9
6/14/95	9620	93828	JACQUEZ #3 (RE-WORK)	FOUTZ	131	10.00	0.00	9
6/14/95	9623	93828	JACQUEZ #3 (RE-WORK)	B E I	6003	10.00	10.00	9
6/21/95	9621	NA005	LINDRITH PIG SYS. #Y1	FOUTZ	934	10.00	0.00	9
						260.00	230.00	



Miles travelled 27 Departure time 09:00 Return time 12:00

**Inspection results:**

TIERRA LANDFARM OFFICE TO MEET WITH PHIL NOBIS FOR A VOLUNTARY COOPERATIVE REVIEW OF DOCUMENTS RECORDING WASTE ENTERING THE LANDFARM. ALL MATERIALS ARE RECORDED ON OCD DESIGNED AND/OR REQUIRED FORMS. WE FOUND ONLY ONE HOLE IN THE DOCUMENTATION WHICH INVOLVED EPNG PIT CLOSURES FOR EXEMPT WASRES. TIERRA WILL WILL DOCUMENT THESE MATERIALS FROM DATA ON FILE--THIS GLITCH HAPPENED DURING MOVING THE OFFICE AND FILES. I HAVE RECOMMENDED TIERRA TO WORK ON KEEPING AN UPDATED CHRONOLOGICAL FILE FOR REFERENCE TO LANDFARM MATERIALS--THIS IS BASICALLY WHAT HAS BEEN DONE IN THE PAST BUT WAS NOT UPDATED AFTER THE MOVE. INSPECTING THE LANDFARM WITH PHIL NOBIS SHOWS WE HAVE A CONTINUING PROBLEM WITH GETTING MATERIALS WHICH ARE SATURATED SPREAD DURING THE PERMITTED TIME PERIOD, THE MAJORITY OF THESE MATERIALS ARE STABILIZED MATERIALS FROM SUNCO AND BASIN DISPOSALS--PHIL NOBIS WILL SUBMIT A LETTER TO SANTA FE OUTLINING THE PROBLEM.

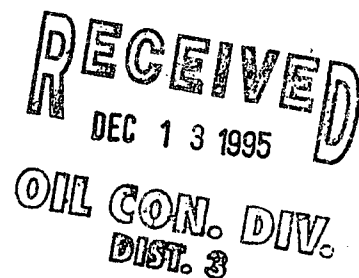
Inspection H Class O Facility M

This is record number 535 from f:\field\fld\_trip.dbf.

REQUEST FOR APPROVAL		ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <small>(Submitting this form for oilfield exempt waste is optional)</small> DENNY FOUST	94022	4. Generator  <b>EL PASO NATURAL GAS</b>	
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Name of Originating Site  <b>See Attached List</b>		
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <b>Doug Foutz Construction</b> <b>ENVIROTECH Inc.</b>		
7. Location of Material (Street Address or ULSTR)  <b>See Attached List</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-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: _____			

**BRIEF DESCRIPTION OF THE MATERIAL:**

**Various dehydrator and drip pits at closure sites closed during  
NOVEMBER 1995**



Estimated Volume 3,062 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 [Signature] TITLE OPERATIONS MANAGER DATE 11/30/95  
 TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 12/27/95  
 APPROVED BY [Signature] TITLE EC DATE 1-2-96

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.)

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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 12/11/95

Tierra Environmental November, 1995					
Closed	Meter	Meter2	Location	S T R L	Comments
11/28/95	73034		Nickles #1	11-31-13-K	✓
11/28/95	70862		McGrath #1	7-30-1-F	✓
11/29/95	75718		Flora Vista #1	22-30-12-F	✓
11/30/95	72014		Federal Gas Unit 3 #1	23-29-10-N	✓
11/30/95	89915		Uptegrove Gas Com Well #1A	33-32-10-I	✓

TIERRA ENVIRONMENTAL COMPANY Inc.

EL PASO NOVEMBER 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
11/28/95	NICKLES #1	73034	942.00	1,052.00	10
11/28/95	McGRATH #1	70862	510.00	250.00	10
11/29/95	FLORA VISTA #1	75718	870.00	800.00	10
11/30/95	UPTEGROVE G.C. WELL #	89915	460.00	470.00	10 / 11
11/30/95	FEDERAL GAS UNIT 3 #1	72014	280.00	170.00	11

SUM:	SUM:
3,062.00	2,742.00

TIERRA ENVIRONMENTAL COMPANY Inc.

**JOB # 94022**

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT.	FILL	CELL
11/27/95	267	73034	NICKLES #1	FOUTZ	934	20.00	20.00	10
11/27/95	268	73034	NICKLES #1	FOUTZ	831	30.00	30.00	10
11/27/95	269	73034	NICKLES #1	FOUTZ	731	30.00	30.00	10
11/27/95	270	73034	NICKLES #1	FOUTZ	835	30.00	30.00	10
11/27/95	271	73034	NICKLES #1	FOUTZ	132	30.00	30.00	10
11/27/95	272	73034	NICKLES #1	FOUTZ	72	30.00	30.00	10
11/27/95	273	73034	NICKLES #1	FOUTZ	432	30.00	30.00	10
11/27/95	274	73034	NICKLES #1	ENVIRO	D-57	20.00	20.00	10
11/27/95	275	73034	NICKLES #1	ATENCIO	24	20.00	20.00	10
11/27/95	276	73034	NICKLES #1	ENVIRO	4087	30.00	20.00	10
11/27/95	277	73034	NICKLES #1	ENVIRO	3	30.00	20.00	10
11/27/95	278	73034	NICKLES #1	ENVIRO	14	10.00	10.00	10
11/27/95	279	73034	NICKLES #1	ENVIRO	4	30.00	20.00	10
11/27/95	280	73034	NICKLES #1	BAR 37	L-37	20.00	10.00	10
11/27/95	281	73034	NICKLES #1	BAR-37	L-64	20.00	10.00	10
11/27/95	282	73034	NICKLES #1	FOUTZ	131	10.00	10.00	10
11/27/95	283	73034	NICKLES #1	ENVIRO	9	10.00	10.00	10
11/27/95	284	73034	NICKLES #1	CRUZ	5	10.00	0.00	10
11/27/95	285	73034	NICKLES #1	CRUZ	1	10.00	0.00	10
11/27/95	286	73034	NICKLES #1	CRUZ	2	10.00	0.00	10
TRUCKS IN HAUL:					20	430.00	350.00	
11/28/95	373	73034	NICKLES #1	FOUTZ	72	20.00	30.00	10
11/28/95	374	73034	NICKLES #1	ATENCIO	DS-7	30.00	40.00	10
11/28/95	375	73034	NICKLES #1	ATENCIO	24	30.00	40.00	10
11/28/95	376	73034	NICKLES #1	ENVIRO	14	30.00	40.00	10
11/28/95	377	73034	NICKLES #1	FOUTZ	831	30.00	40.00	10
11/28/95	378	73034	NICKLES #1	FOUTZ	835	30.00	40.00	10
11/28/95	379	73034	NICKLES #1	CRUZ	3	30.00	40.00	10
11/28/95	380	73034	NICKLES #1	FOUTZ	832	36.00	36.00	10
11/28/95	381	73034	NICKLES #1	FOUTZ	731	20.00	30.00	10
11/28/95	382	73034	NICKLES #1	BAR-37	L-37	20.00	30.00	10
11/28/95	383	73034	NICKLES #1	BAR-37	L-64	20.00	30.00	10
11/28/95	384	73034	NICKLES #1	ENVIRO	9	20.00	30.00	10
11/28/95	385	73034	NICKLES #1	ENVIRO	4087	20.00	30.00	10
11/28/95	386	73034	NICKLES #1	FOUTZ	132	20.00	30.00	10
11/28/95	387	73034	NICKLES #1	CRUZ	1	20.00	30.00	10
11/28/95	388	73034	NICKLES #1	CRUZ	2	20.00	30.00	10
11/28/95	389	73034	NICKLES #1	CRUZ	5	20.00	30.00	10
11/28/95	390	73034	NICKLES #1	FOUTZ	432	20.00	30.00	10
11/28/95	391	73034	NICKLES #1	ENVIRO	3	20.00	30.00	10
11/28/95	392	73034	NICKLES #1	ENVIRO	4	20.00	30.00	10
11/28/95	393	73034	NICKLES #1	FOUTZ	531	18.00	18.00	10
11/28/95	394	73034	NICKLES #1	FOUTZ	833	18.00	18.00	10
11/28/95	395	70862	McGRATH #1	BAR-37	L-37	30.00	20.00	10
11/28/95	396	70862	McGRATH #1	BAR-37	L-64	40.00	20.00	10
11/28/95	397	70862	McGRATH #1	ENVIRO	9	30.00	20.00	10
11/28/95	398	70862	McGRATH #1	CRUZ	2	30.00	20.00	10
11/28/95	399	70862	McGRATH #1	FOUTZ	132	30.00	20.00	10
11/28/95	400	70862	McGRATH #1	CRUZ	5	20.00	20.00	10
11/28/95	314	70862	McGRATH #1	ENVIRO	4087	20.00	10.00	10
11/28/95	315	70862	McGRATH #1	FOUTZ	731	30.00	10.00	10
11/28/95	316	70862	McGRATH #1	ATENCIO	24	30.00	10.00	10

TIERRA ENVIRONMENTAL COMPANY Inc.

11/28/95	317	70862	McGRATH #1	ATENCIO	DS-7	30.00	10.00	10
11/28/95	318	70862	McGRATH #1	ENVIRO	14	30.00	10.00	10
11/28/95	319	70862	McGRATH #1	FOUTZ	432	30.00	10.00	10
11/28/95	320	70862	McGRATH #1	ENVIRO	3	30.00	10.00	10
11/28/95	321	70862	McGRATH #1	ENVIRO	4	20.00	10.00	10
11/28/95	322	70862	McGRATH #1	FOUTZ	72	30.00	10.00	10
11/28/95	323	70862	McGRATH #1	FOUTZ	831	30.00	10.00	10
11/28/95	324	70862	McGRATH #1	CRUZ	1	10.00	10.00	10
11/28/95	325	70862	McGRATH #1	FOUTZ	835	20.00	10.00	10
11/28/95	326	70862	McGRATH #1	CRUZ	3	10.00	10.00	10
11/28/95	327	70862	McGRATH #1	FOUTZ	131	10.00	0.00	10
TRUCKS IN HAUL:					23	1,022.00	952.00	

11/29/95	5001	75718	FLORA VISTA #1	BAR-37	L-64	60.00	60.00	10
11/29/95	5002	75718	FLORA VISTA #1	ATENCIO	DS-7	60.00	50.00	10
11/29/95	5003	75718	FLORA VISTA #1	ENVIRO	14	70.00	50.00	10
11/29/95	5004	75718	FLORA VISTA #1	FOUTZ	72	40.00	40.00	10
11/29/95	5005	75718	FLORA VISTA #1	FOUTZ	831	50.00	50.00	10
11/29/95	5006	75718	FLORA VISTA #1	FOUTZ	934	50.00	50.00	10
11/29/95	5007	75718	FLORA VISTA #1	FOUTZ	731	50.00	50.00	10
11/29/95	5008	75718	FLORA VISTA #1	FOUTZ	132	50.00	50.00	10
11/29/95	5009	75718	FLORA VISTA #1	FOUTZ	835	50.00	50.00	10
11/29/95	5010	75718	FLORA VISTA #1	ENVIRO	E-51	50.00	50.00	10
11/29/95	5011	75718	FLORA VISTA #1	FOUTZ	131	30.00	20.00	10
11/29/95	5012	75718	FLORA VISTA #1	FOUTZ	935	40.00	40.00	10
11/29/95	5013	75718	FLORA VISTA #1	ATENCIO	24	40.00	30.00	10
11/29/95	5014	75718	FLORA VISTA #1	CRUZ	3	50.00	30.00	10
11/29/95	5015	75718	FLORA VISTA #1	CRUZ	2	30.00	30.00	10
11/29/95	5016	75718	FLORA VISTA #1	CRUZ	5	30.00	30.00	10
11/29/95	5017	75718	FLORA VISTA #1	ENVIRO	3	30.00	30.00	10
11/29/95	5018	75718	FLORA VISTA #1	ENVIRO	4	30.00	30.00	10
11/29/95	5019	75718	FLORA VISTA #1	ENVIRO	4087	30.00	30.00	10
11/29/95	5020	75718	FLORA VISTA #1	ENVIRO	9	30.00	30.00	10
11/29/95	5021	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	4087	20.00	10.00	10
11/29/95	5022	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	3	20.00	10.00	10
11/29/95	5023	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	4	20.00	10.00	10
11/29/95	5024	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	E-51	20.00	10.00	10
11/29/95	5025	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	835	20.00	10.00	10
11/29/95	5026	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	731	20.00	10.00	10
11/29/95	5027	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	72	20.00	10.00	10
11/29/95	5028	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	14	20.00	10.00	10
11/29/95	5029	89915	UPTEGROVE G.C. WELL #1A	CRUZ	2	20.00	10.00	10
11/29/95	5030	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	131	20.00	10.00	10
11/29/95	5031	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	934	20.00	10.00	10
11/29/95	5032	89915	UPTEGROVE G.C. WELL #1A	CRUZ	3	20.00	10.00	10
11/29/95	5033	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	132	20.00	10.00	10
11/29/95	5034	89915	UPTEGROVE G.C. WELL #1A	CRUZ	5	20.00	10.00	10
11/29/95	5035	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	935	20.00	10.00	10
11/29/95	5036	89915	UPTEGROVE G.C. WELL #1A	FOUTZ	831	20.00	10.00	10
TRUCKS IN HAUL:					20	1,190.00	960.00	

11/30/95	5037	89915	UPTEGROVE G.C. WELL #1A	ATENCIO	DS-7	20.00	30.00	11
11/30/95	5038	89915	UPTEGROVE G.C. WELL #1A	ATENCIO	24	20.00	30.00	11
11/30/95	5039	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	14	20.00	30.00	11
11/30/95	5040	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	E-51	10.00	30.00	11
11/30/95	5041	89915	UPTEGROVE G.C. WELL #1A	CRUZ	1	10.00	30.00	11
11/30/95	5042	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	4087	10.00	30.00	11

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Act Chemical Substances Inventory.

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

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

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PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0 % CHEVRON Hydraulic Oil AW ISO 32

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CONTAINING

> 99.0 % LUBRICATING BASE OIL

The BASE OIL may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627, CAS 64742650, CAS 72623837.

< 1.0 % ADDITIVES

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	CPS - CUSA Product Code
CC - Chevron Chemical Company	CAS - Chemical Abstract Service Number

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10. REGULATORY INFORMATION

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

DOT HAZARD CLASS: NOT APPLICABLE

DOT IDENTIFICATION NUMBER: NOT APPLICABLE

SARA 311 CATEGORIES:

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

None of the components of this material are found on the regulatory lists shown below.

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REGULATORY LISTS SEARCHED:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=M1 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA TWA	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA Sect 4(e)

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Revision Number: 0

Revision Date: 12/21/90

MSDS Number: 004613

NDA - No Data Available

NA - Not Applicable



TIERRA ENVIRONMENTAL COMPANY Inc.

11/30/95	5043	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	3	10.00	30.00	11
11/30/95	5044	89915	UPTEGROVE G.C. WELL #1A	CRUZ	2	10.00	30.00	11
11/30/95	5045	89915	UPTEGROVE G.C. WELL #1A	ENVIRO	4	10.00	30.00	11
11/30/95	5046	89915	UPTEGROVE G.C. WELL #1A	BAR-37	L-37	10.00	20.00	11
11/30/95	5047	89915	UPTEGROVE G.C. WELL #1A	BAR-37	L-64	10.00	20.00	11
11/30/95	5048	72014	FEDERAL GAS UNIT 3 #1	ATNECIO	24	30.00	20.00	11
11/30/95	5049	72014	FEDERAL GAS UNIT 3 #1	ATENCIO	DS-7	30.00	20.00	11
11/30/95	5050	72014	FEDERAL GAS UNIT 3 #1	ENVIRO	E-51	30.00	20.00	11
11/30/95	5051	72014	FEDERAL GAS UNIT 3 #1	ENVIRO	14	30.00	20.00	11
11/30/95	5052	72014	FEDERAL GAS UNIT 3 #1	BAR-37	L-37	30.00	20.00	11
11/30/95	5053	72014	FEDERAL GAS UNIT 3 #1	ENVIRO	4	20.00	10.00	11
11/30/95	5054	72014	FEDERAL GAS UNIT 3 #1	BAR-37	L-64	30.00	20.00	11
11/30/95	5055	72014	FEDERAL GAS UNIT 3 #1	ENVIRO	4087	20.00	10.00	11
11/30/95	5056	72014	FEDERAL GAS UNIT 3 #1	ENVIRO	3	20.00	10.00	11
11/30/95	5057	72014	FEDERAL GAS UNIT 3 #1	CRUZ	2	20.00	10.00	11
11/30/95	5058	72014	FEDERAL GAS UNIT 3 #1	CRUZ	1	<u>20.00</u>	<u>10.00</u>	11
			TRUCKS IN HAUL:		11	420.00	480.00	

TOTALS: 3,062.00 2,742.00

## REQUEST FOR APPROVAL

## TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional)

4. Name of Transporter

FESCO

2. Destination

5. Generator

TERRA Environmental Co. Inc. Crouch MESA LANDFARM

GARY Williams Energy

3. Address of Facility Operator

6. Name of Originating Site

420 CR 3100 Aztec NM 87410

B:ST. Station

7. Originating Location of Material (Street Address or ULSTR)

8. State

Section 17, T-26N, R-11W SE 1/4 SAN JUAN

New Mexico

## 9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with crude oil removed from around  
A six - 500 BBL TANK facility. Site is being cleaned up  
because of a spill from Gary Energy to Giant Refining  
Facility is a Transportation Terminal

RECEIVED  
DEC 13 1995  
OIL CON. DIV.  
DIST. 3

RECEIVED  
DEC - 5 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 200 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul):

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

SIGNATURE

Phillip C. Nobis

TITLE

President

DATE

12/1/95

TYPE OR PRINT NAME

Phillip C. Nobis

TELEPHONE NO. (505) 334-889

(This space for State Use)

APPROVED BY

Henry D. Fent

TITLE

Geologist

DATE

12/6/95

APPROVED BY

C. S. S. S. S.

TITLE

GEOLOGIST

DATE

12-8-95

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Roger Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Anderson (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter FESCO	
2. Destination Tierra Environmental Co. Inc. Crouch MESA LANDFARM	5. Generator GARY Williams Energy	
3. Address of Facility Operator 420 CR 3100 Aztec NM 87410	6. Name of Originating Site B:st. Station	
7. Originating Location of Material (Street Address or ULSTRI) Section 17, T-26N, R-11W SE 1/4 SAN JUAN	8. State New Mexico	

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; or 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 Environment Department 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 transpo

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with crude oil removed from around  
A six - 500 BBL TANK Facility. Site is being cleaned up  
because of a spill from Gary Energy to Giant Refining.  
Facility is a Transportation Terminal

RECEIVED  
DEC - 5 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 300 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE President DATE 12/1/95

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

(This space for State Use)

APPROVED BY Dennis G. Faint TITLE Geologist DATE 12/5/95

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

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

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

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

### Originating

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

BISTI TANK FACILITY  
T 26N, R 11W, SEC. 17, SE 1/4  
SAN JUAN COUNTY, NM

Source: SOIL CONTAMINATED WITH CRUDE OIL FROM  
MINOR SPILLS FROM TRUCK OFFLOADING INTO  
TANKAGE.

I CHRIS HAWLEY representative  
for GARY WILLIAMS ENERGY CORP. &  
BLOOMFIELD REFINING CO.

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

- ☐ MSDS Information  
☒ RCRA TCLP Analysis  
☒ RCRA Metals  
☒ Corrosivity, Ignitability, Reactivity  
☐ Letter from Out of State Regulatory Agency  
☐ I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_.

Signature Chris Hawley

Title ENVR. MGR.

Date 7-11-95

Post-It® brand fax transmittal memo 7671		# of pages <u>1</u>
To <u>Chris Hawley</u>	From <u>Phil Nobis</u>	
Co. <u>Bloomfield Ref.</u>	Co. <u>Tierra</u>	
Dept.	Phone #	
Fax # <u>632-3911</u>	Fax #	



## CORE LABORATORIES

CORE LABORATORIES  
ANALYTICAL REPORT

Job Number: 953325

Prepared For:

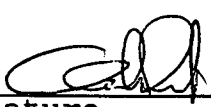
ONSITE TECHNOLOGIES LIMITED

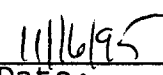
DAVE COX

657 W. MAPLE

FARMINGTON, NM 87401

Date: 11/16/95

  
Signature

  
Date:

Name: Charles Sassine

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

Title: Laboratory Supervisor



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: T1E1001 BLOOMFIELD REFINERY

LABORATORY I.D.: 953325-0001

DATE SAMPLED: 11/02/95

DATE RECEIVED: 11/06/95

TIME SAMPLED: 10:07

TIME RECEIVED: 10:30

WORK DESCRIPTION: 9051-3642 B15T1 STATION COMPOSITE

REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
<b>TCLP Semivolatiles</b>		<b>*5</b>		<b>EPA SW-846 8270</b>	<b>11/10/95</b>	<b>GEF</b>
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	<50	50	ug/L	EPA SW-846 8270		
o-Cresol	<50	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	71	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	92	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	82	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	76	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	69	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	89	0	% Recovery	43-117% QC LIMITS		
<b>TCLP Volatiles</b>		<b>*10</b>		<b>EPA SW-846 8260</b>	<b>11/11/95</b>	<b>QP</b>
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		
Tetrachloroethene	53	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	109	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	95	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	87	0	% Recovery	86-115% QC LIMITS		
<b>Extraction - TCLP Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 3520</b>	<b>11/08/95</b>	<b>WEB</b>
<b>Glass Jar Extraction for Metals</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>11/07/95</b>	<b>DGP</b>
<b>Glass Jar Extraction-Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>11/07/95</b>	<b>DGP</b>
<b>Arsenic (As), extractable TCLP</b>	<b>&lt;0.05</b>	<b>0.05</b>	<b>mg/L</b>	<b>EPA SW-846 6010A</b>	<b>11/14/95</b>	<b>GCC</b>

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



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: T1E1001 BLOOMFIELD REFINERY  
DATE SAMPLED: 11/02/95  
TIME SAMPLED: 10:07  
WORK DESCRIPTION: 9051-3642 B15T1 STATION COMPOSITE

LABORATORY I.D.: 953325-0001  
DATE RECEIVED: 11/06/95  
TIME RECEIVED: 10:30  
REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	0.90	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Lead (Pb), extractable TCLP	0.07	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	11/14/95	GCC
Flammability Potential	Negative		+ or -	ASTM D4982-89	11/10/95	WEH
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	11/07/95	DEH
Corrosivity by pH	7.8	0.1	pH units	EPA SW-846 9045C	11/10/95	DJ
Sulfide, Reactive	<50	50	mg/kg	EPA SW-846 7.3.4.2	11/09/95	DJ
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	11/10/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010A	11/13/95	TFB
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	11/07/95	DGP

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



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

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:Cyanide, Reactive REPORTING LIMIT/DF: UNITS:mg/kg				DATE/TIME ANALYZED:11/07/95 13:00 METHOD REFERENCE :EPA SW-846 7.3.3.2				QC BATCH NUMBER:993949 TECHNICIAN:DEH		
BLANK	MB 110795	Di H2O	<5			1.92	98			
STANDARD	LCS2	508.37.25	1.88							
SPIKE	PDS	953325-1	2.18					<5	1.93	113
DUPLICATE	MD	953325-1	<5	<5	0					
PARAMETER:Sulfide, Reactive REPORTING LIMIT/DF: 50 UNITS:mg/kg				DATE/TIME ANALYZED:11/09/95 08:00 METHOD REFERENCE :EPA SW-846 7.3.4.2				QC BATCH NUMBER:993990 TECHNICIAN:DJ		
BLANK	MB 110995	Di H2O	<50			300	91			
STANDARD	LCS	508.36.22	273							
SPIKE	MS	953280-1	265					<50	300	88
DUPLICATE	MD	953280-1	<50	<50	NC					
PARAMETER:Corrosivity by pH REPORTING LIMIT/DF: 0.1 UNITS:pH units				DATE/TIME ANALYZED:11/10/95 10:00 METHOD REFERENCE :EPA SW-846 9045C				QC BATCH NUMBER:994100 TECHNICIAN:DJ		
STANDARD	LCS	386.20.32	7.03			7.00	100			
DUPLICATE	MD	953326-1	7.96	8.01	1					
PARAMETER:Flammability Potential REPORTING LIMIT/DF: UNITS:+ or -				DATE/TIME ANALYZED:11/10/95 14:50 METHOD REFERENCE :ASTM D4982-89				QC BATCH NUMBER:994125 TECHNICIAN:WEH		
BLANK	MD									
DUPLICATE	MD	953326-1	Negative	Negative	0					
PARAMETER:Mercury (Hg), extractable, TCLP REPORTING LIMIT/DF: 0.002 UNITS:mg/L				DATE/TIME ANALYZED:11/10/95 08:00 METHOD REFERENCE :EPA SW-846 7470				QC BATCH NUMBER:994145 TECHNICIAN:EBS		
BLANK	MB	DI H2O	<0.002			0.020	110			
STANDARD	RS	507.3.19	0.022							
SPIKE	MS	953267-1	0.045					<0.002	0.050	90
DUPLICATE	MD	953267-1	<0.002	<0.002	NC					
PARAMETER:Arsenic (As), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:994365 TECHNICIAN:GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	0.99			1.00	99			
STANDARD	CCV	1013C	5.11			5.00	102			
SPIKE	MS	953326-002	1.00					<0.05	1.00	100
DUPLICATE	MD	953326-002	<0.05	<0.05	NC					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

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: 11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 994366 TECHNICIAN: GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	1023C	1.03			1.00	103			
STANDARD	CCV	1013C	5.12			5.00	102			
SPIKE	MS	953326-002	1.71					0.86	1.00	85
DUPLICATE	MD	953326-002	0.86	1.00	15					
PARAMETER: Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 994367 TECHNICIAN: GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.00			1.00	100			
STANDARD	CCV	1013C	5.18			5.00	104			
SPIKE	MS	953326-002	0.98					<0.05	1.00	98
DUPLICATE	MD	953326-002	<0.05	<0.05	NC					
PARAMETER: Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 994368 TECHNICIAN: GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.02			1.00	102			
STANDARD	CCV	1013C	5.22			5.00	104			
SPIKE	MS	953326-002	0.92					0	1.00	92
DUPLICATE	MD	953326-002	<0.05	<0.05	NC					
PARAMETER: Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 994369 TECHNICIAN: GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.00			1.00	100			
STANDARD	CCV	1023C	5.10			5.00	102			
SPIKE	MS	953326-002	0.89					0.05	1.00	84
DUPLICATE	MD	953326-002	0.05	0	0.05					
PARAMETER: Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED: 11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 994370 TECHNICIAN: GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

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:Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:994370 TECHNICIAN:GCC		
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.05			1.00	105			
STANDARD	CCV	1023C	5.06			5.00	101			
SPIKE	MS	953326-002	0.99					<0.05	1.00	99
DUPLICATE	MD	953326-002	<0.05	<0.05	NC					

PARAMETER:Silver (Ag), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:11/14/95 15:51 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:994371 TECHNICIAN:GCC		
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	1023C	1.00			1.00	100			
STANDARD	CCV	1013C	5.00			5.00	100			
SPIKE	MS	953326-002	0.94					<0.05	1.00	94
DUPLICATE	MD	953326-002	<0.05	<0.05	NC					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 11/10/95 TIME ANALYZED: 08:44 METHOD: EPA SW-846 8270

QC NUMBER: 994204

### BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
1,4-Dichlorobenzene	MB	110895	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	110895	1	<10	10	ug/L
Hexachlorobenzene	MB	110895	1	<10	10	ug/L
Hexachlorobutadiene	MB	110895	1	<10	10	ug/L
Hexachloroethane	MB	110895	1	<10	10	ug/L
Methylcyclohexane	MB	110895	1	<10	10	ug/L
Pentachlorophenol	MB	110895	1	<50	50	ug/L
2,4,5-Trichlorophenol	MB	110895	1	<10	10	ug/L
2,4,6-Trichlorophenol	MB	110895	1	<10	10	ug/L
Pyridine	MB	110895	1	<10	10	ug/L
Cresols (Total)	MB	110895	1	<30	30	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 11/10/95 TIME ANALYZED: 08:44 METHOD: EPA SW-846 8270

QC NUMBER: 994204

### 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	110895-00	1	90	0	250	36	10	ug/L
2,4-Dinitrotoluene	BS	110895-00	1	220	0	250	88	10	ug/L
Hexachlorobenzene	BS	110895-00	1	240	0	250	96	10	ug/L
Hexachlorobutadiene	BS	110895-00	1	110	0	250	44	10	ug/L
Hexachloroethane	BS	110895-00	1	70	0	250	28	10	ug/L
Nitrobenzene	BS	110895-00	1	340	0	250	136	10	ug/L
Pentachlorophenol	BS	110895-00	1	850	0	750	113	50	ug/L
2,4,5-Trichlorophenol	BS	110895-00	1	720	0	750	96	10	ug/L
2,4,6-Trichlorophenol	BS	110895-00	1	310	0	250	124	10	ug/L
Pyridine	BS	110895-00	1	440	0	500	88	10	ug/L
Cresols (Total)	BS	110895-00	1	580	0	750	77	30	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER: 994210

### BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Vinyl chloride	MB	110795	1	<5	5	ug/L
1,1-Dichloroethene	MB	110795	1	<5	5	ug/L
Methyl ethyl ketone	MB	110795	1	<50	50	ug/L
Chloroform	MB	110795	1	<5	5	ug/L
Carbon tetrachloride	MB	110795	1	<5	5	ug/L
1,2-Dichloroethane	MB	110795	1	<5	5	ug/L
Benzene	MB	110795	1	<5	5	ug/L
Trichloroethene	MB	110795	1	<5	5	ug/L
Tetrachloroethene	MB	110795	1	<5	5	ug/L
Chlorobenzene	MB	110795	1	<5	5	ug/L

1733 NORTH PADRE ISLAND DRIVE  
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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER: 994210

### 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	342.97.1	1	101	100	101	5	ug/L
1,1-Dichloroethene	CC	342.97.1	1	117	100	117	5	ug/L
Methyl ethyl ketone	CC	342.97.1	1	100	100	100	50	ug/L
Chloroform	CC	342.97.1	1	102	100	102	5	ug/L
Carbon tetrachloride	CC	342.97.1	1	102	100	102	5	ug/L
1,2-Dichloroethane	CC	342.97.1	1	100	100	100	5	ug/L
Benzene	CC	342.97.1	1	104	100	104	5	ug/L
Trichloroethene	CC	342.97.1	1	106	100	106	5	ug/L
Tetrachloroethene	CC	342.97.1	1	103	100	103	5	ug/L
Chlorobenzene	CC	342.97.1	1	101	100	101	5	ug/L
Dibromofluoromethane(Surrogate)	CC	342.97.1	1	47	50	94	5	ug/L
Toluene d-8 (Surrogate)	CC	342.97.1	1	49	50	98	5	ug/L
4-Bromofluorobenzene(Surrogate)	CC	342.97.1	1	47	50	94	5	ug/L

1733 NORTH PADRE ISLAND DRIVE  
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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 11/16/95

JOB NUMBER: 953325

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 11/11/95 TIME ANALYZED: 13:36 METHOD: EPA SW-846 8260

QC NUMBER: 994210

### 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	953268-1	1	1010	0	1000	101	5	ug/L
	MSD	953268-1	1	960	0	1000	96	5	ug/L
1,1-Dichloroethene	MS	953268-1	1	1120	0	1000	112	5	ug/L
	MSD	953268-1	1	1090	0	1000	109	5	ug/L
Methyl ethyl ketone	MS	953268-1	1	710	0	1000	71	50	ug/L
	MSD	953268-1	1	750	0	1000	75	50	ug/L
Chloroform	MS	953268-1	1	970	0	1000	97	5	ug/L
	MSD	953268-1	1	950	0	1000	95	5	ug/L
Carbon tetrachloride	MS	953268-1	1	990	0	1000	99	5	ug/L
	MSD	953268-1	1	930	0	1000	93	5	ug/L
1,2-Dichloroethane	MS	953268-1	1	960	0	1000	96	5	ug/L
	MSD	953268-1	1	900	0	1000	90	5	ug/L
Benzene	MS	953268-1	1	1050	0	1000	105	5	ug/L
	MSD	953268-1	1	980	0	1000	98	5	ug/L
Trichloroethene	MS	953268-1	1	960	0	1000	96	5	ug/L
	MSD	953268-1	1	900	0	1000	90	5	ug/L
Tetrachloroethene	MS	953268-1	1	1280	0	1000	128	5	ug/L
	MSD	953268-1	1	980	0	1000	98	5	ug/L
Chlorobenzene	MS	953268-1	1	1040	0	1000	104	5	ug/L
	MSD	953268-1	1	980	0	1000	98	5	ug/L
Dibromofluoromethane(Surrogate)	MB	110795-00	1	540	0	500	108	5	ug/L
Toluene d-8 (Surrogate)	MB	110795-00	1	460	0	500	92	5	ug/L
4-Bromofluorobenzene(Surrogate)	MB	110795-00	1	470	0	500	94	5	ug/L

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



# CORE LABORATORIES

## QUALITY ASSURANCE 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.  
Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

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.

## SUBCONTRACTED 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\*

MB = Method Blank  
RB = Reagent Blank  
SB = Storage Blank  
ICB = Initial Calib. Blank  
CCB = Continuing Calib. Blank

### REFERENCE STANDARDS

RS = Reference Standard  
CC = Continuing Calib.  
LCS = Laboratory Control Std.  
ICV = Initial Calib. Verification  
CCV = Cont. Calib. Verification

### SPIKES AND DUPLICATES

MS = Matrix Spike, BS = Blank Spike  
SS = Surrogate Spike, MD = Matrix Dup.  
PDS = Post Digested Spike  
MSD = Matrix Spike Duplicate  
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





## REQUEST FOR APPROVAL

## CCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

95047

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

(Submitting this form for oilfield exempt waste is optional) DATE: 11/3/95

4. Generator

OIL CONSERVATION DIVISION  
FOUR - FOUR, Inc.

2. Destination

Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site

EPNG  
CHACO PLANT

3. Address of Facility Operator

420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter

FOUR - FOUR Inc.

7. Originating Location of Material (Street Address or ULSTR)

SEC 16 - T29N - 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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED WITH HYDRAULIC OIL FROM  
HEAVY EQUIPMENTRECEIVED  
DEC - 4 1995OIL CON. DIV.  
DIST. 3RECEIVED  
NOV - 3 1995OIL CON. DIV.  
DIST. 3Estimated Volume 5 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 Phillip C. Nobis TITLE PRESIDENT DATE 11/03/95TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/3/95APPROVED BY C. Eustice TITLE GEOLOGIST DATE 11/15/95

CONDITIONS OF APPROVAL, IF ANY:



## MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone☐ Personal

Time

1015 AM

Date

11-7-95

Originating PartyOther Parties

PHIL NOBIS

CHRIS EUSTICE

TIERRA ENVIRO.

ROGER ANDERSON (RCA)

EPNG CHACO PLANT - contaminated soils contaminated  
w/ Hydraulic oil.

Discussion

Tierra sent a C-138 request approval to dispose  
of these soils. The waste is non exempt, so  
in lieu of a TCLP + ICR a MSDS was provided.  
The MSDS was dated 7-85 and did not mention  
the possibilities of benzene contamination or  
RCRA disposal.

RECEIVED

NOV - 9 1995

OIL CON. DIV.  
EUSTICEConclusions or Agreements

RCA stated EPNG could test the waste for benzene  
concentration or get updated MSDS sheet  
Shows BTEX

Denny Foust

Signed

OFF: (505) 325-8786



LAB: (505) 325-5667

---

## Facsimile Cover Sheet

To: Phil Nobis  
Company: Tierra Environmental  
Phone: 334-8894  
Fax: 334-9024

From: Bill Vorkink  
Company: On Site Technologies, LTD.  
Lab Fax: (505) 325-6256  
Office Fax: (505) 327-1496

Date: 11-13-95  
Pages including this  
cover page: 7

Comments: Roger Anderson said to go ahead and  
send the permitting for Four-Four and it will  
be okay.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Emergency Number (800)457-2022 or (415)233-3737

# Material Safety Data Sheet

CHEVRON Hydraulic Oil AW ISO 32

CPS255675

Page 1 of 6

FARMINGTON OIL CO INC 5396853  
DELD LUBES  
302 S. LORENA AVE  
FARMINGTON, NM 87401

MATERIAL ORDERED FOR:  
302 SOUTH LORENE  
FARMINGTON, NM 87401

Print Date: July 25, 1991

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

This is a new Material Safety Data Sheet.

## 1. PRODUCT IDENTIFICATION

CHEVRON Hydraulic Oil AW ISO 32

- A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER  
OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

PRODUCT NUMBER(S): CPS255675  
PRODUCT INFORMATION: (800)582-3835

Revision Number: 0 Revision Date: 12/21/90 MSDS Number: 004613  
NDA - No Data Available NA - Not Applicable

Prepared According to the OSHA Hazard Communication  
Standard (29 CFR 1910.1200) by the Chevron Environmental  
Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

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## 2. FIRST AID - EMERGENCY NUMBER (800)457-2022 OR (415)233-3737

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### EYE CONTACT:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

### SKIN CONTACT:

Note to Physician: Injection under the skin of materials similar to this product is associated with accidents involving high-pressure equipment. When ejected from this type of equipment, the material can easily penetrate the skin and leave a small, sometimes bloodless, puncture wound. Yet, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain in the affected part. Immediate treatment at surgical emergency center is recommended. No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

### INHALATION:

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

### INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

---

## 3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

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### EYE CONTACT:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the data from similar materials.

### SKIN IRRITATION:

This substance is not expected to cause prolonged or significant skin irritation. This hazard evaluation is based on data from similar materials.

### DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on data from similar materials.

### RESPIRATORY/INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. This hazard evaluation is based on data from similar materials.

### INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

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Revision Number: 0

Revision Date: 12/21/90

MSDS Number: 004613

NDA - No Data Available

NA - Not Applicable

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#### 4. PROTECTIVE EQUIPMENT

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**EYE PROTECTION:**

No special eye protection is usually necessary.

**SKIN PROTECTION:**

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

**RESPIRATORY PROTECTION:**

No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

**VENTILATION:**

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

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#### 5. FIRE PROTECTION

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FLASH POINT: (COC) >374F (190C)

AUTOIGNITION: NDA

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

**EXTINGUISHING MEDIA:**

CO2, Dry Chemical, Foam and Water Fog.

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0; Special NDA;

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

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

**FIRE FIGHTING PROCEDURES:**

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

**COMBUSTION PRODUCTS:**

Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus. Incomplete combustion can produce carbon monoxide.

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#### 6. STORAGE, HANDLING, AND REACTIVITY

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**HAZARDOUS DECOMPOSITION PRODUCTS:**

NDA.

**STABILITY:**

Stable.

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Revision Number: 0

Revision Date: 12/21/90

MSDS Number: 004613

NDA - No Data Available

NA - Not Applicable

**HAZARDOUS POLYMERIZATION:**

Polymerization will not occur.

**INCOMPATIBILITY:**

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

**SPECIAL PRECAUTIONS:**

CAUTION! Do not use pressure to empty drum or explosion may result. DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

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**7. PHYSICAL PROPERTIES**

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**SOLUBILITY:** Soluble in hydrocarbon solvents; insoluble in water.

**APPEARANCE:** Pale yellow liquid.

**BOILING POINT:** 360 - 540+C

**MELTING POINT:** NA

**EVAPORATION:** NA

**SPECIFIC GRAVITY:** 0.87 @ 15.6/15.6C

**VAPOR PRESSURE:** NA

**PERCENT VOLATILE (VOLUME %):** NA

**VAPOR DENSITY (AIR=1):** NA

**VISCOSITY:** 28.8 cSt @ 40C (Min.)

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**8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL**

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**CHEMTREC EMERGENCY PHONE NUMBER:** (800) 424-9300 (24 hour).

**SPILL/LEAK PRECAUTIONS:**

This material is not expected to present any environmental problems other than those associated with oil spills.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

**DISPOSAL METHODS:**

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

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**9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION**

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**COMPOSITION COMMENT:**

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

---

Revision Number: 0

Revision Date: 12/21/90

MSDS Number: 004613

NDA - No Data Available

NA - Not Applicable



CHEVRON Hydraulic Oil AW ISO 32

Page 6 of 6

22=TSCA Sect 5(a)(e)(f)	23=TSCA Sect 6	24=TSCA Sect 12(b)
25=TSCA Sect 8(a)	26=TSCA Sect 8(d)	27=TSCA Sect 8(e)
28=Canadian WHMIS	29=OSHA CEILING	30=TSCA Sect 8 FYI

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## 11. PRODUCT TOXICOLOGY DATA

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**EYE IRRITATION:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**SKIN IRRITATION:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**DERMAL TOXICITY:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**RESPIRATORY/INHALATION:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

**INGESTION:**

No product toxicology data available. The hazard evaluation was based on data from similar materials.

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## 12. ADDITIONAL HEALTH DATA

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**ADDITIONAL HEALTH DATA COMMENT:**

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

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

---

Revision Number: 0

Revision Date: 12/21/90

MSDS Number: 004613

NDA - No Data Available

NA - Not Applicable

## REQUEST FOR APPROVAL

## ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒ 95047  
Verbal Approval Received: Yes ☒ No ☐ By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE: 11/3/95

4. Generator  
FOUR - FOUR, Inc.

2. Destination  
Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
EPNG  
CHACO PLANT

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
FOUR - FOUR Inc.

7. Originating Location of Material (Street Address or ULSTR)  
SEC 16 - T29N - 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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED WITH HYDRAULIC OIL FROM  
HEAVY EQUIPMENT

RECEIVED  
NOV - 3 1995  
OIL CON. DIST.  
DIST. 3

Estimated Volume 5 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 Phillip C. Nobis TITLE PRESIDENT DATE 11/03/95  
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/3/95  
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  
NON - EXEMPT RCRA WASTE**

**Originating**

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

*EMPNG-0027*  
Inside Chaco Plant Fence  
T26N, R12W, Section 16

**Source of Material:**

Crane turned over + spilled  
hydraulic oil after hose broke

I Terry Harpole

Representative for Four-Four, Inc.

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

The appropriate documentation is hereto attached.

**Check appropriate line(s)**

- ☒ MSDS Information
- ☐ RCRA TCLP Analysis
- ☐ RCRA Metals
- ☐ Corrosivity, Ignitability, Reactivity
- ☐ Letter from Out of State Regulatory Agency
- ☐ I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_

Signature

Title

Address

Terry Harpole  
Superintendent Date 11-3-95  
3000 Bloomfield Highway  
Farmington, NM 87401

# Material Safety Data Sheet

CHEVRON AW Hydraulic Oil 32

CPS 234225

## ADDITIONAL HEALTH DATA

Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following, depending on concentration and length of exposure: nasal discharge, nosebleed, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

This product contains zinc dialkyldithiophosphate (ZDDP). ZDDPs have been tested by repeated application to the skin of young rabbits for three weeks. These rabbits developed severe skin damage, weight loss, and adverse testicular effects. Follow-up studies indicated similar testicular effects can be produced by placing rabbits on a restricted diet and causing them to lose weight or by treating rabbits with simple caustic chemicals and causing them to develop both severe skin irritation and weight loss. Rats similarly treated with ZDDP did not develop testicular effects even when skin damage and weight loss occurred. These results indicate that the testicular effects seen in rabbits were not caused by the toxicity of ZDDPs but were due to the species reaction to stress from severe skin irritation and weight loss. There is no evidence that human exposure to ZDDPs in the workplace will cause testicular effects since occupational exposure does not cause stress from severe skin irritation and weight loss similar to that observed in rabbits. In summary, we now believe there is no risk of male reproductive impairment from working with ZDDP.

Several ZDDPs have also been found to have weak mutagenic activity in cultured mammalian cells. The low level of activity occurred only at ZDDP concentrations which were highly toxic to the test cells. Since mutagenic activity was observed with zinc chloride but not with calcium dialkyldithiophosphate, the weak mutagenic activity of ZDDP may be due to the zinc in the chemical. Zinc is abundant in the environment, is an essential element in our diets, and it is generally accepted that zinc is not a health hazard. Therefore, we do not believe the test results discussed above indicate a genetic hazard to employees working with ZDDPs. Appropriate personal hygiene procedures as outlined in the MSDS, should, of course, be followed since ZDDPs in concentrated form are irritating to the skin.

This product contains base oils which the International Agency for Research on Cancer (IARC) classifies as having no evidence of carcinogenic potential.

## ADDITIONAL HEALTH DATA

See Page 3.

### SPECIAL PROTECTIVE INFORMATION

**Eye Protection:** No special eye protection is necessary.

**Skin Protection:** No special skin protection is necessary.

**Respiratory Protection:** No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standard, the use of an approved respirator is recommended.

**Ventilation:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

### FIRE PROTECTION

**Flash Point:** (COC) > 375°F

**Autoignition Temp.:** NDA

**Flammability Limits:** n/a

**Extinguishing Media:** CO<sub>2</sub>, Dry Chemical, Foam, Water Fog

**Special Fire Fighting Procedures:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See Hazardous Decomposition Products. Read the entire MSDS.

### SPECIAL PRECAUTIONS

DO NOT weld heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

**CAUTION!** Do not use pressure to empty drum or explosion may result.

## ENVIRONMENTAL PROTECTION

X-IRC031

**Environmental Impact:** This material is not expected to present any environmental problems other than those associated with oil spills.

**Precautions if Material is Released or Spilled:** Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

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

### REACTIVITY DATA

**Stability (Thermal, Light, etc.):** Stable.

**Incompatibility (Materials to Avoid):** May react with strong oxidizing materials.

**Hazardous Decomposition Products:** Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus; incomplete combustion can produce carbon monoxide.

**Hazardous Polymerization:** Will not occur.

### PHYSICAL PROPERTIES

**Solubility:** Soluble in hydrocarbon solvents; insoluble in water.

**Appearance (Color, Odor, etc.):** Pale yellow liquid.

**Boiling Point:** NDA

**Melting Point:** n/a

**Specific Gravity:** 0.87 @ 15.6/15.6°C

**Vapor Pressure:** n/a

**Vapor Density (Air=1):** n/a

**Percent Volatile (Volume %):** n/a

**Evaporation:** n/a

**Pour Point:** -30°C (Max.)

**Viscosity:** 28.8-32.0 cSt @ 40°C

n/a = Not Applicable

NDA = No Data Available

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



# Material Safety Data Sheet

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
(Formerly Called MATERIAL INFORMATION BULLETIN)

CHEVRON AW Hydraulic Oil 32

CPS 234225

## TYPICAL COMPOSITION

Highly refined base oils (CAS 64742-65-0, 64742-36-5, 64742-54-7)	99%
Inhibitors, demulsifier, antiwear agent and zinc dialkyldithiophosphate (CAS 68649-42-3)	1%

## EXPOSURE STANDARD

No Federal OSHA exposure standard or ACGIH TLV has been established for this material. Based on information reviewed to date, we recommend an exposure standard of 5 mg/m<sup>3</sup>. This is the Federal OSHA exposure standard and the ACGIH (1984-85) TLV for mineral oil mists.

## PHYSIOLOGICAL & HEALTH EFFECTS

Expected to cause no more than minor eye irritation.

### Eyes

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.

Expected to cause no more than minor skin irritation following prolonged or frequently repeated contact. See Additional Health Data.

### Skin

Wash skin thoroughly with soap and water. Launder contaminated clothing.

Not expected to be acutely toxic by inhalation. Breathing mineral oil mist at concentrations in air that exceed the recommended exposure standard can cause respiratory irritation or discomfort. See Additional Health Data.

### Inhalation

If respiratory irritation or discomfort occur, move the person to fresh air. See a doctor if irritation or discomfort continues.

Not expected to have acute systemic toxicity by ingestion.

### Ingestion

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

95049

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐ By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE: 11/20/95

4. Generator  
WILLIAMS FIELD SERVICE

2. Destination  
Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
LA JARA COMP. STA.

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
RILEY INDUSTRIAL

7. Originating Location of Material (Street Address or ULSTR)  
SEC 17 - T30N - R6W 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-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: 11/29/95

## BRIEF DESCRIPTION OF THE MATERIAL:

RUST, SCALE, DIRT, CONDENSATE FROM INSIDE OF  
TRUNK S PIPELINE AND STORAGE TANK.

RECEIVED  
NOV 30 1995  
OIL CON. DIV.  
BITE 3

Estimated Volume 35 Bbls. 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 [Signature] TITLE OPERATIONS MGR.. DATE 11/30/95

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

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/30/95

APPROVED BY [Signature] TITLE a DATE 11/30/95

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.)

LA JARA Comp Sta. Sec. 17 T-30N R-6-W N.M.P.M.  
Rio Arriba Co., N.M.

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: Rust, scale, dirt, condensate  
from inside of Trunk's pipeline AND STORAGE  
TANK

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 FRANK FORT

Representative for WILLIAMS 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

*Frank Fort*

Title

Superintendent

Date

Nov 28, 1995

Address

P.O. Box 215

Bloomfield, NM 87413

FORM 93095

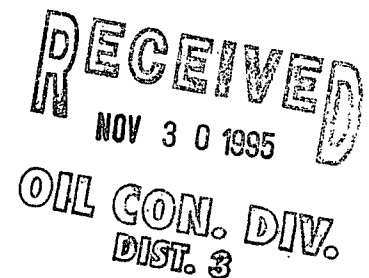
WILLIAMS FIELD SERVICES ONE OF THE WILLIAMS COMPANIES	# of pages	1
	From	11-29-95
	To	Tierra Environmental
	Phone #	334-9024
	Fax #	632-4875



REQUEST FOR APPROVAL	) ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
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) <b>DATE: 11/29/95</b>	<b>95022</b>	4. Generator  <b>BASIN DISPOSAL</b>
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>		5. Name of Originating Site  <b>BASIN DISPOSAL</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter
7. Originating Location of Material (Street Address or ULSTR) <b>UNIT E &amp; F SEC 3 - 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-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>12/01/95</u>		

**BRIEF DESCRIPTION OF THE MATERIAL:**

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



Estimated Volume 350 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 [Signature] TITLE OPERATIONS MGR.. DATE 11/30/95

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

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/30/95

APPROVED BY [Signature] TITLE u 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.)**

**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**

*Ted HAMMONDS*

**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**

**Title**

*Water eng.*

**Date**

*11-29-95*

**Address P.O. Box 100**

**AZTEC, NM 87410**

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒  
 Verbal Approval Received: Yes ☐ No ☒ By: DENNY FOUST  
 (Submitting this form for oilfield exempt waste is optional) DATE: '95 NOV 15

Generator  
 GARY WILLIAMS  
 ENERGY

2. Destination  
 Tierra Environmental Co., Inc. Crouch Mesa Landfarm

Location of Originating Site  
 MONTAZUMA CREEK  
 STATION

3. Address of Facility Operator  
 420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
 SUNCO TRUCKING

7. Originating Location of Material (Street Address or ULSTR)  
 MONTAZUMA CREEK STATION

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: \_\_\_\_\_

BRIEF DESCRIPTION OF THE MATERIAL:

TANK BOTTOM SLUDGES FROM TANK CLEANING  
SEE ATTACHED TCLP

RECEIVED  
 NOV 17 1995

OIL CON. DIV. DIST. 3  
 NOV 13 1995  
 RECEIVED  
 OIL CON. DIV. DIST. 3

DENIED  
 Benzene  
 11-16-95

Estimated Volume 120 BBLS. 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 Phillip C. Nobis TITLE PRESIDENT DATE 11/01/95

TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/3/95

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

CONDITIONS OF APPROVAL, IF ANY:

This is from Utah are we requiring any Utah paperwork?

REQUEST FOR APPROVAL		ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> By: <b>DENNY FOUST</b> (Submitting this form for oilfield exempt waste is optional) <b>DATE:</b>		4. Generator <b>GARY WILLIAMS ENERGY</b>	
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>		5. Name of Originating Site <b>MONTAZUMA CREEK STATION</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter <b>SUNCO TRUCKING</b>	
7. Originating Location of Material (Street Address or ULSTR) <b>MONTAZUMA CREEK STATION</b>		8. State <b>UTAH</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-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: \_\_\_\_\_

BRIEF DESCRIPTION OF THE MATERIAL:

**TANK BOTTOM SLUDGES FROM TANK CLEANING**  
**SEE ATTACHED TCLP**

**RECEIVED**  
 NOV 3 1995  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume **120 BBLS.** 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 *Phillip C. Nobis* TITLE **PRESIDENT** DATE **11/01/95**  
 TYPE OR PRINT NAME **PHILLIP C. NOBIS** TELEPHONE NO. **(505) 334-8894**

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE *Geologist* DATE *11/3/95*  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

# LABORATORY TESTS RESULTS 10/31/95

JOB NUMBER: 953111

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: TIE 1001 MONTEZUMA CREEK

DATE SAMPLED: 10/17/95

TIME SAMPLED: 08:42

WORK DESCRIPTION: SLUDGE/TANK COMPOSITE

LABORATORY I.D.: 953111-0002

DATE RECEIVED: 10/19/95

TIME RECEIVED: 13:00

REMARKS:

**PRELIMINARY  
REPORT**

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
<b>CLP Semivolatiles</b>		*5		EPA SW-846 8270	10/26/95	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	64	50	ug/L	EPA SW-846 8270		
o-Cresol	77	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	69	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	91	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	95	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	85	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol (Surrogate)	71	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	77	0	% Recovery	43-117% QC LIMITS		
<b>TCLP Volatiles</b>		*50		EPA SW-846 8260	10/26/95	GP
Benzene	7000	250	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<250	250	ug/L	EPA SW-846 8260		
Chlorobenzene	<250	250	ug/L	EPA SW-846 8260		
Chloroform	<250	250	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<2500	2500	ug/L	EPA SW-846 8260		
Trichloroethene	<250	250	ug/L	EPA SW-846 8260		
Vinyl chloride	<200	200	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<250	250	ug/L	EPA SW-846 8260		
Tetrachloroethene	<250	250	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<250	250	ug/L	EPA SW-846 8260		
Dibromofluoromethane (Surrogate)	102	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	97	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (Surrogate)	88	0	% Recovery	86-115% QC LIMITS		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	10/23/95	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	10/20/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	10/20/95	DGP
Acetone (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC

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

# LABORATORY TESTS RESULTS 10/31/95

JOB NUMBER: 953111 CUSTOMER: ONSITE TECHNOLOGIES LIMITED ATTN: DAVE COX

CLIENT I.D.: TIE 1001 MONTEZUMA CREEK  
DATE SAMPLED: 10/17/95  
TIME SAMPLED: 08:42  
WORK DESCRIPTION: SLUDGE/TANK COMPOSITE

LABORATORY I.D.: 953111-0002  
DATE RECEIVED: 10/19/95  
TIME RECEIVED: 13:00  
REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	1.03	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Selenium (Se), extractable TCLP	0.09	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/25/95	GCC
Flammability Potential	Positive		+ or -	ASTM D4982-89	10/27/95	WEH
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/24/95	DEH
Corrosivity by pH	7.1	0.1	pH units	EPA SW-846 9045 C	10/25/95	SEB
Sulfide, Reactive	80	50	mg/kg	EPA SW-846 7.3.4.2	10/20/95	DEH
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	10/25/95	EBS
Metals Digest on Extracted Sample	COMPLETED			EPA SW-846 3010	10/24/95	JGR
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/20/95	DGP

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



# TIERRA ENVIRONMENTAL CORPORATION

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

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

### Originating

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

BIST: T29N, R11W, SEC 17, SE 1/4 SAN JUAN COUNTY, NM  
MONTEZUMA CREEK #1405, R24E, SEC 32, MONTEZUMA CREEK, UT  
E. SAN JUAN COUNTY, UT

Source: SOIL CONTAMINATED WITH GRADE OIL FROM  
ACCUMULATION OF MINOR SPILLS DURING  
TRUCK OFFLOADING OPERATIONS.

I CHRIS HAWLEY representative  
for GARY-WILLIAMS ENERGY CORPORATION  
370 17TH ST., SUITE 5300  
DENVER, CO 80202

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

- ☐ MSDS Information
- ☒ RCRA TCLP Analysis
- ☐ RCRA Metals
- ☒ Corrosivity, Ignitability, Reactivity
- ☐ Letter from Out of State Regulatory Agency
- ☐ I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_

Signature Chris Hawley

Title ENVR. MANAGER

Date 11-9-95

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ 95043  
Verbal Approval Received: Yes ☒ No ☐ By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE: 10/18/95

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
Generator  
GARY WILLIAMS  
ENERGY  
52

2. Destination  
Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
BISTI STATION

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
SUNCO

7. Originating Location of Material (Street Address or ULSTR)  
BISTI STATION

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

TANK BOTTOM SLUDGES FROM TANK CLEANING  
SEE ATTACHED TCLP

RECEIVED  
NOV 17 1995

OIL CON. DIV.  
DIST. 3

RECEIVED  
NOV - 3 1995

OIL CON. DIV.  
DIST. 3

Estimated Volume 140 BBLS. 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 Phillip C. Nobis TITLE PRESIDENT DATE 11/01/95

TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/14/95

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

CONDITIONS OF APPROVAL, IF ANY: Held for certificate of waste status



## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 10/18/95	95043 4. Generator GARY WILLIAMS ENERGY
2. Destination Tierra Environmental Co., Inc. Crouch Mesa Landfarm	5. Name of Originating Site BISTI STATION
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter SUNCO
7. Originating Location of Material (Street Address or ULSTR) BISTI STATION	8. State NEW MEXICO
9. Check One  <input type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job. <input 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 checked="" 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: _____	

## BRIEF DESCRIPTION OF THE MATERIAL:

TANK BOTTOM SLUDGES FROM TANK CLEANING  
SEE ATTACHED TCLP

RECEIVED  
NOV - 3 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 140 BBLs. 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 Phillip C. Nobis TITLE PRESIDENT DATE 11/01/95  
TYPE OR PRINT NAME PHILLIP C. NOBIS TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/14/95  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: Held for certificate of waste status



## CORE LABORATORIES

CORE LABORATORIES  
ANALYTICAL REPORT

Job Number: 952966

Prepared For:

ONSITE TECHNOLOGIES LIMITED

DAVE COX

657 W. MAPLE

FARMINGTON, NM 87401

Date: 10/17/95

  
Signature

10/26/95  
Date:

Name: Charles Sassine

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

Title: Laboratory Supervisor



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/17/95

JOB NUMBER: 952966

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: 4-1247

DATE SAMPLED: 10/06/95

TIME SAMPLED: 09:05

WORK DESCRIPTION: TANK BOTTOMS 8533-3532

LABORATORY I.D.: 952966-0001

DATE RECEIVED: 10/09/95

TIME RECEIVED: 10:30

REMARKS: SAMPLED BY: TODD

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
<b>TCLP Semivolatiles</b>		<b>*5</b>		<b>EPA SW-846 8270</b>	<b>10/16/95</b>	<b>GEF</b>
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	110	50	ug/L	EPA SW-846 8270		
o-Cresol	210	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	57	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	87	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	99	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	114	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	84	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	90	0	% Recovery	43-117% QC LIMITS		
<b>TCLP Volatiles</b>		<b>*100</b>		<b>EPA SW-846 8260</b>	<b>10/17/95</b>	<b>QP</b>
Benzene	8000	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	<500	500	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<500	500	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	106	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	97	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	94	0	% Recovery	86-115% QC LIMITS		
<b>Extraction - TCLP Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 3520</b>	<b>10/11/95</b>	<b>WEB</b>
<b>Glass Jar Extraction for Metals</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>10/09/95</b>	<b>DGP</b>
<b>Glass Jar Extraction-Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>10/09/95</b>	<b>DGP</b>
<b>Arsenic (As), extractable TCLP</b>	<b>0.07</b>	<b>0.05</b>	<b>mg/L</b>	<b>EPA SW-846 6010</b>	<b>10/16/95</b>	<b>GCC</b>

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



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/17/95

JOB NUMBER: 952966

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: 4-1247

DATE SAMPLED: 10/06/95

TIME SAMPLED: 09:05

WORK DESCRIPTION: TANK BOTTOMS 8533-3532

LABORATORY I.D.: 952966-0001

DATE RECEIVED: 10/09/95

TIME RECEIVED: 10:30

REMARKS: SAMPLED BY: TODD

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	2.53	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Lead (Pb), extractable TCLP	0.11	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Flammability Potential	Positive		+ or -	ASTM D4982-89	10/17/95	EBS
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/11/95	DEH
Corrosivity by pH	6.1	0.1	pH units	EPA SW-846 9045 C	10/17/95	SEB
Sulfide, Reactive	1000	50	mg/kg	EPA SW-846 7.3.4.2	10/11/95	DEH
Mercury (Hg), extractable, TCLP	<0.02	0.02	mg/L	EPA SW-846 7470	10/13/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/12/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/09/95	DGP

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



# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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			300	96			
STANDARD	LCS	508.18.17	289							
SPIKE	MS	952965-1	269							
DUPLICATE	MD	952965-1	<50	<50	NC			<50	300	90
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			1.93	102			
STANDARD	LCS	508.24.7	1.97							
SPIKE	PDS	952965-1	1.63							
DUPLICATE	MD	952965-1	<5	<5	0			<5	1.88	87
PARAMETER:Mercury (Hg), extractable, TCLP				DATE/TIME ANALYZED:10/13/95 08:00				QC BATCH NUMBER:992048		
REPORTING LIMIT/DF: 0.002 UNITS:mg/L				METHOD REFERENCE :EPA SW-846 7470				TECHNICIAN:EBS		
BLANK	MB	DiH2O	<0.002			0.020	90			
STANDARD	RS	367.49	0.018							
SPIKE	MS	952967-1	0.053							
DUPLICATE	MD	952967-1	<0.002	<0.002	NC			<0.002	0.050	106
PARAMETER:Arsenic (As), extractable TCLP				DATE/TIME ANALYZED:10/16/95 14:04				QC BATCH NUMBER:992151		
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A				TECHNICIAN:GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	Q0895	0.98			1.00	98			
STANDARD	CCV	1013C	4.87			5.00	97			
SPIKE	MS	952948-001	0.83					<0.05	1.00	83
SPIKE	MS	952965-001	0.83					<0.05	1.00	83
DUPLICATE	MD	952920-001	0.09	0.07	0.02					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					
PARAMETER:Barium (Ba), extractable TCLP				DATE/TIME ANALYZED:10/16/95 14:04				QC BATCH NUMBER:992152		
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A				TECHNICIAN:GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	ICV	70895	0.99			1.00	99			
STANDARD	CCV	1013C	4.84			5.00	97			
SPIKE	MS	952948-001	0.83					<0.05	1.00	83
SPIKE	MS	952920-001	0.85					<0.05	1.00	85
DUPLICATE	MD	952920-001	<0.05	<0.05	NC					
DUPLICATE	MD	952965-001	0.67	0.59	13					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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: 10/16/95 14:04 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992152 TECHNICIAN: GCC		
PARAMETER: Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS: mg/L				DATE/TIME ANALYZED: 10/16/95 14:04 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992153 TECHNICIAN: GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	Q0895	0.98			1.00	98			
STANDARD	CCV	1013C	4.83			5.00	97			
SPIKE	MS	952965-001	0.85					<0.05	1.00	85
SPIKE	MS	952920-001	0.84					<0.05	1.00	84
DUPLICATE	MD	952920-001	<0.05	<0.05	NC					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					
PARAMETER: Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS: mg/L				DATE/TIME ANALYZED: 10/16/95 14:04 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992154 TECHNICIAN: GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	Q0895	1.00			1.00	100			
STANDARD	CCV	1013C	4.89			5.00	98			
SPIKE	MS	952948-001	0.82					<0.05	1.00	82
SPIKE	MS	952965-001	0.81					<0.05	1.00	81
DUPLICATE	MD	952920-001	0.09	0.08	0.01					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					
PARAMETER: Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS: mg/L				DATE/TIME ANALYZED: 10/16/95 14:04 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992155 TECHNICIAN: GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	Q0895	1.02			1.00	102			
STANDARD	CCV	1013C	4.89			5.00	98			
SPIKE	MS	952965-001	0.81					<0.05	1.00	81
SPIKE	MS	952953-001	0.85					<0.05	1.00	85
DUPLICATE	MD	952920-001	<0.05	<0.05	NC					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					
PARAMETER: Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS: mg/L				DATE/TIME ANALYZED: 10/16/95 14:04 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER: 992156 TECHNICIAN: GCC		
BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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:Selenium (Se), extractable TCLP  
REPORTING LIMIT/DF: 0.05 UNITS:mg/LDATE/TIME ANALYZED:10/16/95 14:04  
METHOD REFERENCE : SW-846 6010AQC BATCH NUMBER:992156  
TECHNICIAN:GCC

STANDARD	CCV	1013C	4.92			5.00	98			
STANDARD	ICV	Q0895	1.00			1.00	100			
SPIKE	MS	952965-001	0.89					<0.05	1.00	89
SPIKE	MS	952920-001	0.84					<0.05	1.00	84
DUPLICATE	MD	952920-001	<0.05	<0.05	NC					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					

PARAMETER:Silver (Ag), extractable TCLP  
REPORTING LIMIT/DF: 0.05 UNITS:mg/LDATE/TIME ANALYZED:10/16/95 14:04  
METHOD REFERENCE : SW-846 6010AQC BATCH NUMBER:992157  
TECHNICIAN:GCC

BLANK	MB	200.7	<0.05							
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	ICV	70895	0.94			1.00	94			
STANDARD	CCV	1013C	4.70			5.00	94			
SPIKE	MS	952965-001	0.81					<0.05	1.00	81
SPIKE	MS	952920-001	0.80					<0.05	1.00	80
DUPLICATE	MD	952920-001	<0.05	<0.05	NC					
DUPLICATE	MD	952965-001	<0.05	<0.05	NC					

PARAMETER:Flammability Potential

REPORTING LIMIT/DF: UNITS:+ or -

DATE/TIME ANALYZED:10/17/95 16:00  
METHOD REFERENCE :ASTM D4982-89QC BATCH NUMBER:992270  
TECHNICIAN:EBS

DUPLICATE	MD	952966-1	Positive	Positive	0					
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PARAMETER:Corrosivity by pH

REPORTING LIMIT/DF: 0.1 UNITS:pH units

DATE/TIME ANALYZED:10/17/95 13:00  
METHOD REFERENCE :EPA SW-846 9040BQC BATCH NUMBER:992271  
TECHNICIAN:SEB

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

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/16/95 TIME ANALYZED: 13:20 METHOD: EPA SW-846 8270

QC NUMBER: 992263

### 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	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Hexachlorobenzene	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Hexachlorobutadiene	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Hexachloroethane	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Nitrobenzene	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Pentachlorophenol	MB	100995	1	<50	50	ug/L
	MB	101095	1	<50	50	ug/L
2,4,5-Trichlorophenol	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
2,4,6-Trichlorophenol	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Pyridine	MB	100995	1	<10	10	ug/L
	MB	101095	1	<10	10	ug/L
Cresols (Total)	MB	100995	1	<30	30	ug/L
	MB	101095	1	<30	30	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/16/95 TIME ANALYZED: 13:20 METHOD: EPA SW-846 8270

QC NUMBER: 992263

### 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	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	180	0	250	72	10	ug/L
2,4-Dinitrotoluene	BS	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	190	0	250	76	10	ug/L
Hexachlorobenzene	BS	100995-00	1	230	0	250	92	10	ug/L
	BS	101095-00	1	250	0	250	100	10	ug/L
Hexachlorobutadiene	BS	100995-00	1	210	0	250	84	10	ug/L
	BS	101095-00	1	210	0	250	84	10	ug/L
Hexachloroethane	BS	100995-00	1	190	0	250	76	10	ug/L
	BS	101095-00	1	170	0	250	68	10	ug/L
Nitrobenzene	BS	100995-00	1	240	0	250	96	10	ug/L
	BS	101095-00	1	210	0	250	84	10	ug/L
Pentachlorophenol	BS	100995-00	1	540	0	750	72	50	ug/L
	BS	101095-00	1	600	0	750	80	50	ug/L
2,4,5-Trichlorophenol	BS	100995-00	1	600	0	750	80	10	ug/L
	BS	101095-00	1	790	0	750	105	10	ug/L
2,4,6-Trichlorophenol	BS	100995-00	1	270	0	250	108	10	ug/L
	BS	101095-00	1	270	0	250	108	10	ug/L
Pyridine	BS	100995-00	1	500	0	500	100	10	ug/L
	BS	101095-00	1	540	0	500	108	10	ug/L
Cresols (Total)	BS	100995-00	1	690	0	750	92	30	ug/L
	BS	101095-00	1	690	0	750	92	30	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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

### BLANKS

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

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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

### 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

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/17/95

JOB NUMBER: 952966

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 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.

Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

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\*

= Method Blank  
RB = Reagent Blank  
SB = Storage Blank  
ICB = Initial Calib. Blank  
CCB = Continuing Calib. Blank

#### REFERENCE STANDARDS

RS = Reference Standard  
CC = Continuing Calib.  
LCS = Laboratory Control Std.  
ICV = Initial Calib. Verification  
CCV = Cont. Calib. Verification

#### SPIKES AND DUPLICATES

MS = Matrix Spike, BS = Blank Spike  
SS = Surrogate Spike, MD = Matrix Dup.  
PDS = Post Digested Spike  
MSD = Matrix Spike Duplicate  
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



# TIERRA ENVIRONMENTAL CORPORATION

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

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

### Originating

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

BIST 1: T29N, R11W, SEC 17, SE 1/4 SAN JUAN COUNTY, NM  
MONTEZUMA CREEK IT40S, R24E, SEC 32, MONTEZUMA CREEK, UT  
2-SAN JUAN COUNTY, UT

Source: SOIL CONTAMINATED WITH CRUDE OIL FROM  
ACCUMULATION OF MINOR SPILLS DURING  
TRUCK OFFLOADING OPERATIONS

I CHRIS HAWLEY representative  
for GARY-WILLIAMS ENERGY CORPORATION  
370 17TH ST., SUITE 5300  
DENVER, CO 80202

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

- ☐ MSDS Information
- ☒ RCRA TCLP Analysis
- ☐ RCRA Metals
- ☒ Corrosivity, Ignitability, Reactivity
- ☐ Letter from Out of State Regulatory Agency
- ☐ I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_

Signature CHRIS HAWLEY

Title ENVR. MANAGER

Date 11-9-95

REQUEST FOR APPROVAL ☒ ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐ 95047  
Verbal Approval Received: Yes ☒ No ☐ By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE: 11/13/95

4. Generator  
RED CEDAR GATHERING CO.  
of DURANGO COLORADO

2. Destination  
Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
VASTAR SITE 7-2;32-7

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
ON SITE  
TECHNOLOGIES

7. Originating Location of Material (Street Address or ULSTR)  
SEC 7 - T32N - R7W La Plata COUNTY, CO.

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED BY OVERFLOW OF TRIETHYLENE  
GLYCOL FROM DEHYDRATOR

RECEIVED  
NOV 17 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 3-5 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 [Signature] TITLE OPERATIONS MGR.. DATE 11/13/95

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

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 11/17/95

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

CORPORATE OFFICE  
 6846 S. Canton, Suite 100  
 Tulsa, OK 74136  
 918-496-3200

REGIONAL 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.)

Vaster Site 7-2 32-7

This material originated:

     In The State of New Mexico

X From the State of Colorado. Letter from the Regulatory Agency having jurisdiction therefore is attached.

Source: Overflow of Triethylene Glycol from Dehydrator  
ON Oil Field Location (Approx 3 yards)

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 Barry G. Holman  
 representative for Red Cedar Lathing Company of  
Durango, Colorado

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 Barry G. Holman

Title MANAGER Environmental & SAFETY

Address 26266 Hwy 160 Durango, Co. 81301

Date 11-9-95



**CERTIFICATE FROM OUT OF STATE AGENCY  
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO**

I have reviewed the enclosed information concerning the oilfield waste material from  
Location 7-232-N VARTAN 7-22N-7W Le Bata County CO. and agree that by its description  
it is non-hazardous and therefore exempt from regulation by the Resource Conservation  
and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

- ☒ The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.
- ☐ The material is exempt from regulation by characteristic analysis.
- ☐ The material is exempt from regulation by product identification.

**THEREFORE:**

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

NAME: Donald Englishman TITLE: Environmental Protection Specialist  
SIGNATURE: Donald Englishman DATE: 11-9-95  
AGENCY: Bureau of Land Management  
ADDRESS: 701 Camino del Rio, Durango, Colorado 81301  
PHONE: (970) 247-4082

## REQUEST FOR APPROVAL

## ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST

4. Generator

EL PASO NATURAL GAS

2. Destination

Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site

See Attached List

3. Address of Facility Operator

420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter

Doug Foutz Construction

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-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: \_\_\_\_\_

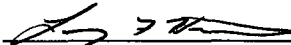
## BRIEF DESCRIPTION OF THE MATERIAL:

Various dehydrator and drip pits at closure sites closed during  
OCTOBER 1995

RECEIVED  
NOV 1 7 1995OIL CON. DIV.  
DIST. 3RECEIVED  
NOV - 3 1995  
OIL CON. DIV.  
DIST. 3Estimated Volume 1450 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



TITLE OPERATIONS MANAGER

DATE 10/31/95

TYPE OR PRINT NAME

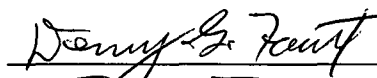
LARRY F. HUNTER

TELEPHONE NO.

(505) 334-8894

(This space for State Use)

APPROVED BY



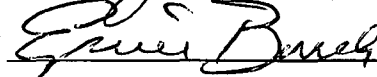
TITLE

Geologist

DATE

11/17/95

APPROVED BY



TITLE

"

DATE

"

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.)  
A list of pit closure sites is attached. 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

Title Sr. Compliance Scientist

Address P.O. Box 4990; Farmington, NM 87499

Date February 8, 1995

Environmental October 1995					
Closed	Meter	Meter2	Location	S T R L	Comments
10/9/95	72089		Trujillo Gas Com #1 P	21-28-10-M	✓
10/11/95	70386		San Juan 28-7 #1 MV	33-28-7-A	✓
10/12/95	83497		Burns Federal #1M	5-26-7-I	✓
10/20/95	N/A		Lat 5 A 9 SYP Y-1	1-31-14-M	
10/23/95	N/A		Lateral 5A2 Drip Y-2	31-30-13-D	
10/24/95	N/A		Lateral 5A2 Drip Y-2	31-30-13-D	

TIERRA ENVIRONMENTAL COMPANY Inc.

PIT CLOSURES

EL PASO OCTOBER 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
10/9/95	TRUJILLO G.C. #1 P	72089	1,060.00	1,130.00	9
10/10/95	B M HOUCK #1	90326	0.00	20.00	
10/10/95	NYE FEDERAL COM #1	72865	0.00	10.00	
10/10/95	ROELOFS #4E dk	94356	0.00	30.00	
10/10/95	STATE COM #39 pc	87658	0.00	10.00	
10/10/95	STATE COM #39 ft	89450	0.00	10.00	
10/10/95	SAN JUAN 28-7 #136 E	95463	0.00	20.00	
10/11/95	SAN JUAN 28-7 #1 mv	70386	70.00	90.00	9
10/11/95	SAN JUAN 28-7 #231 E	93688	0.00	20.00	
10/12/95	HARRINGTON #3	70139	0.00	20.00	
10/12/95	BURNS FED #1 M	93497	90.00	130.00	10
10/13/95	VALENCIA CYN. UNIT 45A	95767	0.00	20.00	
10/13/95	STATE COM A I #33 E	94106	0.00	10.00	
10/20/95	LAT 5A9 SYP Y-1	NA005	50.00	120.00	10
10/23/95	LAT 5A2 DRIP Y-2	NA010	180.00	200.00	10
10/24/95	GALLEGOS CYN. COMP STA.	NA015	0.00	20.00	
		SUM:	SUM:		
		1,450.00	1,860.00		

TIERRA ENVIRONMENTAL COMPANY Inc.

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT/YDS	BACK/YDS	CELL
10/2/95	7056	72089	TRUJILLO G.C. #1 P	FOUTZ	934	50.00	50.00	9
10/2/95	7057	72089	TRUJILLO G.C. #1 P	FOUTZ	831	50.00	50.00	9
10/2/95	7058	72089	TRUJILLO G.C. #1 P	FOUTZ	132	50.00	50.00	9
10/2/95	7059	72089	TRUJILLO G.C. #1 P	FOUTZ	835	50.00	50.00	9
						200.00	200.00	
10/3/95	7060	72089	TRUJILLO G.C. #1 P	FOUTZ	934	10.00	30.00	9
10/3/95	7061	72089	TRUJILLO G.C. #1 P	FOUTZ	835	10.00	20.00	9
10/3/95	7062	72089	TRUJILLO G.C. #1 P	FOUTZ	831	0.00	20.00	
10/3/95	7063	72089	TRUJILLO G.C. #1 P	FOUTZ	131	0.00	20.00	
10/3/95	7064	72089	TRUJILLO G.C. #1 P	FOUTZ	432	0.00	20.00	
10/3/95	7065	72089	TRUJILLO G.C. #1 P	FOUTZ	935	10.00	10.00	9
10/3/95	7066	72089	TRUJILLO G.C. #1 P	FOUTZ	132	10.00	10.00	9
10/3/95	7067	72089	TRUJILLO G.C. #1 P	FOUTZ	933	10.00	0.00	9
10/3/95	7068	72089	TRUJILLO G.C. #1 P	FOUTZ	931	10.00	0.00	9
						60.00	130.00	
10/4/95	7069	72089	TRUJILLO G.C. #1 P	FOUTZ	831	60.00	60.00	9
10/4/95	7070	72089	TRUJILLO G.C. #1 P	FOUTZ	835	60.00	60.00	9
10/4/95	7071	72089	TRUJILLO G.C. #1 P	FOUTZ	934	60.00	60.00	9
10/4/95	7072	72089	TRUJILLO G.C. #1 P	FOUTZ	935	60.00	60.00	9
						240.00	240.00	
10/5/95	7073	72089	TRUJILLO G.C. #1 P	FOUTZ	831	80.00	80.00	9
10/5/95	7074	72089	TRUJILLO G.C. #1 P	FOUTZ	934	70.00	70.00	9
10/5/95	7075	72089	TRUJILLO G.C. #1 P	FOUTZ	132	80.00	80.00	9
10/5/95	7076	72089	TRUJILLO G.C. #1 P	FOUTZ	131	80.00	80.00	9
10/5/95	7077	72089	TRUJILLO G.C. #1 P	FOUTZ	935	80.00	80.00	9
10/5/95	7078	72089	TRUJILLO G.C. #1 P	FOUTZ	933	30.00	30.00	9
10/5/95	7079	72089	TRUJILLO G.C. #1 P	FOUTZ	835	30.00	30.00	9
						450.00	450.00	
10/6/95	7080	72089	TRUJILLO G.C. #1 P	FOUTZ	132	20.00	20.00	9
10/6/95	7081	72089	TRUJILLO G.C. #1 P	FOUTZ	935	20.00	20.00	9
10/6/95	7082	72089	TRUJILLO G.C. #1 P	FOUTZ	831	20.00	20.00	9
10/6/95	7083	72089	TRUJILLO G.C. #1 P	FOUTZ	835	20.00	20.00	9
						80.00	80.00	
10/9/95	7084	72089	TRUJILLO G.C. #1 P	FOUTZ	935	10.00	10.00	9
10/9/95	7085	72089	TRUJILLO G.C. #1 P	FOUTZ	934	10.00	10.00	9
10/9/95	7086	72089	TRUJILLO G.C. #1 P	FOUTZ	831	10.00	10.00	9
						30.00	30.00	
10/10/95	7087	90326	B M HOUCK #1	FOUTZ	934	0.00	10.00	
10/10/95	7088	90326	B M HOUCK #1	FOUTZ	935	0.00	10.00	
10/10/95	7089	72865	NYE FEDERAL COM #1	FOUTZ	432	0.00	10.00	
10/10/95	7090	94356	ROELOFS #4E dk	FOUTZ	835	0.00	10.00	
10/10/95	7091	94356	ROELOFS #4E dk	FOUTZ	935	0.00	10.00	

CROUCH MESA LANDFARM

TIERRA ENVIRONMENTAL COMPANY Inc.

10/10/95	7092	94356	ROELOFS #4E dk	FOUTZ	934	0.00	10.00	
10/10/95	7093	87658	STATE COM #39 pc	FOUTZ	432	0.00	10.00	
10/10/95	7094	95463	SAN JUAN 28-7 #136E	FOUTZ	835	0.00	10.00	
10/10/95	7095	89450	STATE COM #39 ft	FOUTZ	935	0.00	10.00	
10/10/95	7096	95463	SAN JUAN 28-7 #136E	FOUTZ	934	<u>0.00</u>	<u>10.00</u>	
						0.00	100.00	
10/11/95	7097	70386	SAN JUAN 28-7 #1 mv	FOUTZ	934	20.00	30.00	9
10/11/95	7098	70386	SAN JUAN 28-7 #1 mv	FOUTZ	933	10.00	20.00	9
10/11/95	7099	93688	SAN JUAN 28-7 #231E	FOUTZ	835	0.00	10.00	
10/11/95	7100	93688	SAN JUAN 28-7 #231E	FOUTZ	131	0.00	10.00	
10/11/95	7201	70386	SAN JUAN 28-7 #1 mv	FOUTZ	131	20.00	20.00	9
10/11/95	7202	70386	SAN JUAN 28-7 #1 mv	FOUTZ	835	<u>20.00</u>	<u>20.00</u>	9
						70.00	110.00	
10/12/95	7203	70139	HARRINGTON #3	FOUTZ	934	0.00	10.00	
10/12/95	7204	93497	BURNS FED #1M	FOUTZ	835	20.00	20.00	10
10/12/95	7205	70139	HARRINGTON #3	FOUTZ	933	0.00	10.00	
10/12/95	7206	93497	BURNS FED #1M	FOUTZ	731	10.00	20.00	9
10/12/95	7207	93497	BURNS FED #1M	FOUTZ	432	20.00	20.00	9
10/12/95	7208	93497	BURNS FED #1M	FOUTZ	831	10.00	20.00	10
10/12/95	7209	93497	BURNS FED #1M	FOUTZ	132	10.00	20.00	10
10/12/95	7210	93497	BURNS FED #1M	FOUTZ	933	10.00	10.00	9
10/12/95	7211	93497	BURNS FED #1M	FOUTZ	934	<u>10.00</u>	<u>20.00</u>	10
						90.00	150.00	
10/13/95	7212	95767	VALENCIA CYN. UNIT 45A	FOUTZ	131	0.00	10.00	
10/13/95	7213	95767	VALENCIA CYN. UNIT 45A	FOUTZ	934	0.00	10.00	
10/13/95	7214	94106	STATE COM A I #33E	FOUTZ	132	<u>0.00</u>	<u>10.00</u>	
						0.00	30.00	
10/19/95	7215	NA005	LAT 5A9 SYP Y-1	FOUTZ	432	10.00	20.00	10
10/19/95	7216	NA005	LAT 5A9 SYP Y-1	FOUTZ	132	10.00	20.00	10
10/19/95	7217	NA005	LAT 5A9 SYP Y-1	FOUTZ	835	10.00	10.00	10
10/19/95	7218	NA005	LAT 5A9 SYP Y-1	PHILIP	6003	<u>0.00</u>	<u>20.00</u>	
						30.00	70.00	
10/20/95	7219	NA005	LAT 5A9 SYP Y-1	FOUTZ	132	10.00	20.00	10
10/20/95	7220	NA005	LAT 5A9 SYP Y-1	FOUTZ	835	10.00	30.00	10
10/20/95	7221	NA010	LAT 5A2 DRIP Y-2	FOUTZ	933	20.00	20.00	10
10/20/95	7222	NA010	LAT 5A2 DRIP Y-2	FOUTZ	934	10.00	10.00	10
10/20/95	7223	NA010	LAT 5A2 DRIP Y-2	FOUTZ	731	10.00	10.00	10
10/20/95	7224	NA010	LAT 5A2 DRIP Y-2	FOUTZ	132	20.00	10.00	10
10/20/95	7225	NA010	LAT 5A2 DRIP Y-2	FOUTZ	835	<u>20.00</u>	<u>10.00</u>	10
						100.00	110.00	
10/23/95	261	NA010	LAT 5A2 DRIP Y-2	FOUTZ	132	0.00	10.00	
10/23/95	262	NA010	LAT 5A2 DRIP Y-2	FOUTZ	731	40.00	50.00	10
10/23/95	263	NA010	LAT 5A2 DRIP Y-2	FOUTZ	831	40.00	50.00	10
10/23/95	264	NA010	LAT 5A2 DRIP Y-2	FOUTZ	131	<u>20.00</u>	<u>30.00</u>	10
						100.00	140.00	

CROUCH MESA LANDFARM

TIERRA ENVIRONMENTAL COMPANY Inc.

10/24/95	265	NA015	GALLEGOS CYN. COMP STA.	FOUTZ	831	0.00	10.00
10/24/95	266	NA015	GALLEGOS CYN. COMP STA.	FOUTZ	934	<u>0.00</u>	<u>10.00</u>
						0.00	20.00

REPORTING TOTALS:	1,450.00	1,860.00
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FAX TRANSMISSION  
TIERRA ENVIRONMENTAL COMPANY, INC.

TO: Bill Olsen  
Oil Conservation Division  
FAX: 505-827-8177

2 pages

FROM: Phil Nobis *PCN*  
FAX: 505-334-9024

RE: TEMPORARY EMERGENCY STORAGE OF NON-EXEMPT MATERIAL AT  
TIERRA ENVIRONMENTAL LANDFARM FACILITY:

On-Site Technologies is presently handling a tanker truck accident on the Ute Indian Reservation in Colorado. Approximately 2,000 gallons of mixed fuel, similar in nature to blended diesel was spilled onto the ground and is endangering the Animas River. Coby Muckelroy of New Mexico Environment Department Hazardous Materials Bureau was contacted by Cindy Grey of On-Site. He has given permission to Tierra to temporarily store soil contaminated with this fuel at the Tierra Crouch Mesa Landfarm in a lined bermed area pending laboratory analysis.

I have attached a letter of authorization to accept contaminated soil under emergency conditions from the New Mexico Environment Department Hazardous Materials Bureau. The letter of authorization is a blanket letter dated April 6, 1993.

Tierra will forward copies of the appropriate analysis TCLP etc., upon receipt thereof and if the material can be exempted by said analysis, Tierra will seek permission from OCD to spread and treat it.

Do you or OCD concur.

PCN

*Verbal approval for temporary storage  
to Phil Nobis on Thurs. Oct. 5, 1995  
1515 hrs.  
Will Olson*

04/06/93 15:59 505 8274381

HRMB

002

BRUCE KING  
GOVERNOR

*State of New Mexico*  
**ENVIRONMENT DEPARTMENT**  
*Harold Runnels Bulding*  
1190 St. Francis Drive, P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-2850

JUDITH M. ESPINOSA  
SECRETARYRON CUNRY  
DEPUTY SECRETARY

April 6, 1993

Mr. Phil Nobis, Landfarm Operator  
Tierra Environmental  
Farmington, NM

Dear Mr. Nobis:

SUBJECT: Letter of Authorization

The New Mexico Environment Department hereby authorizes transport and temporary storage of contaminated soil at Tierra Environmental. The Hazardous and Radioactive Materials Bureau allows the shipment of the material to the landfarm providing the following conditions are met:

1. The contaminated soil will be stored in an isolated area on the landfarm.
2. The contaminated soil will be stored on plastic (10 ml liner), and bermed (18 inches).
3. The contaminated soil will be kept slightly moist to keep the soil from blowing.
4. The landfarm facility will run a TCLP analysis for characterization of hazardous waste contaminants.
5. The operator will dispose of the waste as soon as possible in an appropriate manner based on the analytical results.

If you have any questions, please feel free to contact me at (505) 827-4358 or Michael Le Scouarnec at (505) 827-4308.

Sincerely,

Benito J. Garcia, Chief  
Hazardous and Radioactive Materials Bureau

cc: Roger Anderson, OCD  
John Geddie, Office of the Secretary  
Edward Horst, RCRA Enforcement

## REQUEST FOR APPROVAL 1

## CCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒Verbal Approval Received: Yes ☒ No ☐ By: Bill Olson 95045(Submitting this form for oilfield exempt waste is optional) DATE: DENNY FOUTZ

4. Generator

SIERRA PETROLEUM

RECEIVED

2. Destination

Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site

BONDAD HILL 1mi  
MARKER

3. Address of Facility Operator

420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter

FOUTZ CONST.

7. Originating Location of Material (Street Address or ULSTR)

NE/NW &amp; NW/NE SEC 6 - T 32 N - R 9 W

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED WITH TRANSMIX FROM TANKER ACCIDENT

SEE ATTACHED TCLPRECEIVED  
NOV - 9 1995RECEIVED  
NOV - 9 1995  
OIL CON. DIV.  
DIST. 3

OIL

Estimated Volume 460 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 Larry F. HunterTITLE OPERATIONS MGR.DATE 11/01/95TYPE OR PRINT NAME LARRY F. HUNTERTELEPHONE NO. (505) 334-8894

(This space for State Use)

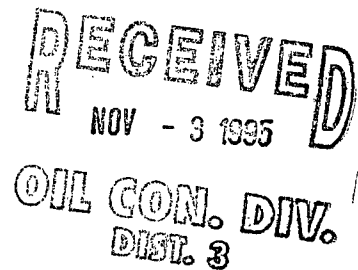
APPROVED BY Denny G. FoutzTITLE GeologistDATE 11/3/95APPROVED BY C. JusticeTITLE GEOLOGISTDATE 11/7/95

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> 95045 Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <del>DENNY FOUTZ</del> <i>Bill Olson</i> (Submitting this form for oilfield exempt waste is optional) DATE:	4. Generator <b>SIERRA PETROLEUM</b>	
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>	5. Name of Originating Site <b>BONDAD HILL 1mi MARKER</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <b>FOUTZ CONST.</b>	
7. Originating Location of Material (Street Address or ULSTR) <b>NE/NW &amp; NW/NE SEC 6 - T 32 N - R 9 W</b>	8. State <b>COLORADO</b>	
9. <u>Check One</u>  <input type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job. <input 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 checked="" 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: _____		

**BRIEF DESCRIPTION OF THE MATERIAL:**

**SOIL CONTAMINATED WITH TRANSMIX FROM TANKER ACCIDENT**  
**SEE ATTACHED TCLP**



Estimated Volume 460 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 *Larry F. Hunter* TITLE OPERATIONS MGR. DATE 11/01/95

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

(This space for State Use)

APPROVED BY *Denny G. Foutz* TITLE Geologist DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

10/31/95 14:25

505 334 9024

TIERRA ENVIRON

001



TIERRA  
ENVIRONMENTAL CORPORATION

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

CERTIFICATE OF WASTE STATUS  
NON-EXEMPT RCRA WASTE

Originating

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

ONE MILE MARKER ON COUNTY ROAD 318, LA PLATA COUNTY,  
COLORADO, NE NW 1/4 NW NE OF SECTION 6, T-32-N,  
R-9-W

Source: 7.5 MINUTE TOPOGRAPHIC MAP - "BONNARD HILL, COLO.,  
USGS. / TANKER ROLL OVER Vehicle Accident

I ROBERT CRABB representative  
for SIERRA PETROLEUM AND FEDERATED  
INSURANCE COMPANY

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

The appropriate documentation is hereto attached,

Check appropriate line(s)

- ☒ MSDS Information  
☒ RCRA TCLP Analysis  
☒ RCRA Metals  
☒ Corrosivity, Ignitability, Reactivity  
☐ Letter from Out of State Regulatory Agency  
☐ I further certify that there has been no change in the processes employed or chemicals stored / used at the facility generating the waste since \_\_\_\_\_

Signature

Title

PROJECT COORDINATOR - On SITE Technologies, LTD.

Date

10-31-95

ATTN: Bob Crabb



## Sample Receipt Acknowledgment

Date 10/09/95

R  
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tDAVE COX  
ONSITE TECHNOLOGIES LIMITED  
657 W. MAPLE  
FARMINGTON, NM 87401I  
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Core Laboratories Job Number	Customer Project ID	Estimated Completion Date
952965	see Remarks	10/19/95
Sample #	Customer ID	Remarks
0001	TRANSMIX SPILL EXCAVATION STOCKPILE	4-1250
10/17/95	1100 DEANA VAS/SEMI-VOLS /MTRLS NOT COMPLETED	
10/20/95	RECV'D FAX @ 1650 PRELIMINARY REPORT	

If you have any questions please call Core Laboratories, CORPUS CHRISTI, TX (512) 289-2673

THIS IS NOT AN INVOICE

Order subject to our sales agreement, if any.  
Otherwise subject to our current terms of sale as shown on reverse side.  
Please contact laboratory immediately, if any discrepancies are observed.

# PRELIMINARY REPORT

## LABORATORY TESTS RESULTS 10/19/95

JOB NUMBER: 952965

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: 4-1250

DATE SAMPLED: 10/06/95

TIME SAMPLED: 16:30

WORK DESCRIPTION: TRANSMIX SPILL EXCAVATION STOCKPILE

LABORATORY I.D.: 952965-0001

DATE RECEIVED: 10/09/95

TIME RECEIVED: 10:30

REMARKS: SAMPLED BY: C.G.

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
<b>TCLP Semivolatiles</b>		*1		EPA SW-846 8270	10/16/95	GEI
1,4-Dichlorobenzene	<10	10	ug/L	EPA SW-846 8270		
2,4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270		
Hexachloroethane	<10	10	ug/L	EPA SW-846 8270		
Nitrobenzene	<10	10	ug/L	EPA SW-846 8270		
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270		
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
Pyridine	<10	10	ug/L	EPA SW-846 8270		
p,m-Cresol	<10	10	ug/L	EPA SW-846 8270		
o-Cresol	<10	10	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	67	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	79	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	87	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	80	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol (Surrogate)	83	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	70	0	% Recovery	43-117% QC LIMITS		
<b>TCLP Volatiles</b>		*10		EPA SW-846 8260	10/17/95	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		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane (Surrogate)	105	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	103	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (Surrogate)	95	0	% Recovery	86-115% QC LIMITS		
<b>Extraction - TCLP Semivolatiles</b>	Completed			EPA SW-846 3520	10/11/95	WEB
<b>Glass Jar Extraction for Metals</b>	Completed			EPA SW-846 1311	10/09/95	DGP
<b>Glass Jar Extraction-Semivolatiles</b>	Completed			EPA SW-846 1311	10/09/95	DGP
<b>Arsenic (As), extractable TCLP</b>	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
(512) 289-2473

# PRELIMINARY REPORT

## LABORATORY TESTS RESULTS 10/19/95

JOB NUMBER: 952965

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: 4-1250

DATE SAMPLED: 10/06/95

TIME SAMPLED: 16:30

WORK DESCRIPTION: TRANSMIX SPILL EXCAVATION STOCKPILE

LABORATORY I.D.: 952965-0001

DATE RECEIVED: 10/09/95

TIME RECEIVED: 10:30

REMARKS: SAMPLED BY: C.G.

TEST DESCRIPTION	FINAL RESULT	LIMITS/POLLUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
Barium (Ba), extractable TCLP	0.67	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/16/95	GCC
Flammability Potential	Negative		+ or -	ASTM D4982-89	10/20/95	EBS
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/11/95	DEH
Corrosivity by pH	7.8	0.1	pH units	30 TAC 335.505 (3)	10/17/95	SEB
Sulfide, Reactive	<50	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	10/18/95	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/12/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/09/95	DGP

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



# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒  
 Verbal Approval Received: Yes ☒ No ☐ By: *Chris Eustice* DENNY FOUST  
 (Submitting this form for oilfield exempt waste is optional) DATE: *10/11/95*

Generator  
 Gary Williams Energy

2. Destination  
 Tierra Environmental Co., Inc. Crouch Mesa Landfarm

5. Name of Originating Site  
 Apache Station  
 RECEIVED  
 OCT 30 1995  
 AM 8 52

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)  
 Section 33, T-25 N, R-6 W, SE 1/4 Rio Riba

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-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: *10/12/95*

## BRIEF DESCRIPTION OF THE MATERIAL:

Soil Contaminated with crude oil removed from around 10,000 bbl tank and bermed area. Site is being cleaned up because of a sale from Gary Energy to Giant Refining. Facility is a transportation terminal.

RECEIVED  
 NOV - 6 1995

RECEIVED  
 OCT 30 1995  
 OIL CON. DIV.  
 DIST. 3

Estimated Volume *2,000* 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 *Phillip C. Nobis* TITLE *President* DATE *10/11/95*

TYPE OR PRINT NAME *Phillip C. Nobis* TELEPHONE NO. *(505) 334-8894*

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE *Geologist* DATE *10/30/95*

APPROVED BY *C. S. Foust* TITLE *GEOLOGIST* DATE *11-3-95*

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL	) ACCEPT SOLID WASTE	(XXXXXXXXXXXXXXXXXXXXXXXXXXXX)
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <i>Chris Eustice</i> <b>DENNY FOUST</b> <small>(Submitting this form for oilfield exempt waste is optional)</small> DATE: <i>10/11/95</i>		4. Generator Gary Williams Energy
2. Destination <b>Tierra Environmental Co., Inc. Crouch Mesa Landfarm</b>		5. Name of Originating Site Apache 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)  Section 33, T-25 N, R-6 W, SE 1/4 Rio Riba		8. State  New Mexico
9. <u>Check One</u>  <input type="checkbox"/> A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate of waste from the Generator; one certificate per job. <input 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 checked="" 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>10/12/95</u>		

**BRIEF DESCRIPTION OF THE MATERIAL:**

Soil Contaminated with crude oil removed from around 10,000 bbl tank and bermed area. Site is being cleaned up because of a sale from Gary Energy to Giant Refining Facility is a transportation terminal.

**RECEIVED**  
 OCT 30 1995

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

Estimated Volume 2,000 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 *Phillip C. Nobis* TITLE President DATE 10/11/95  
 TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE Geologist DATE 10/30/95  
 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.)**

Apache Station, Section 33, T-25 N, R-6 N, SE 1/4

Rioriba County

**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:** Soil Contaminated with crude oil from numerous  
spills over several years. Site is being cleaned up because of  
a sale of the facility from Gary Williams Energy to Giant Refining.

Material has been exempted by analysis TCLP attached hereto.

**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

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** 10-11-95

**Address** GARY WILLIAMS ENERGY CORP.

370 17th Street, Suite 5300

DENVER, CO 80202



## CORE LABORATORIES

CORE LABORATORIES  
ANALYTICAL REPORT

Job Number: 952893

Prepared For:


ONSITE TECHNOLOGIES LIMITED

DAVE COX

657 W. MAPLE

FARMINGTON, NM 87401

Date: 10/10/95

  
Signature

10/10/95  
Date:

Name: Charles Sassine

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

Title: Laboratory Supervisor



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: T1E1001

DATE SAMPLED: 10/02/95

TIME SAMPLED: 08:45

WORK DESCRIPTION: APACHE STATION BLOOMFIELD REFINERY CO.

LABORATORY I.D.: 952893-0001

DATE RECEIVED: 10/03/95

TIME RECEIVED: 11:00

REMARKS: SAMPLED BY: T.N.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
<b>TCLP Semivolatiles</b>		<b>*5</b>		<b>EPA SW-846 8270</b>	<b>10/09/95</b>	<b>GEF</b>
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	<50	50	ug/L	EPA SW-846 8270		
o-Cresol	<50	50	ug/L	EPA SW-846 8270		
2-Fluorophenol (Surrogate)	42	0	% Recovery	21-83% QC LIMITS		
Phenol-d6 (Surrogate)	36	0	% Recovery	24-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	73	0	% Recovery	35-102% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	107	0	% Recovery	43-103% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	93	0	% Recovery	28-111% QC LIMITS		
Terphenyl-d14 (Surrogate)	90	0	% Recovery	43-117% QC LIMITS		
<b>TCLP Volatiles</b>		<b>*10</b>		<b>EPA SW-846 8260</b>	<b>10/05/95</b>	<b>QP</b>
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		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	101	0	% Recovery	86-115% QC LIMITS		
Toluene d-8 (Surrogate)	97	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	96	0	% Recovery	86-115% QC LIMITS		
<b>Extraction - TCLP Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 3520</b>	<b>10/06/95</b>	<b>WEB</b>
<b>Glass Jar Extraction for Metals</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>10/04/95</b>	<b>DGP</b>
<b>Glass Jar Extraction-Semivolatiles</b>	<b>Completed</b>			<b>EPA SW-846 1311</b>	<b>10/04/95</b>	<b>DGP</b>
<b>Arsenic (As), extractable TCLP</b>	<b>&lt;0.05</b>	<b>0.05</b>	<b>mg/L</b>	<b>EPA SW-846 6010</b>	<b>10/06/95</b>	<b>GCC</b>

1733 NORTH PADRE ISLAND DRIVE  
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# CORE LABORATORIES

## LABORATORY TESTS RESULTS 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

CLIENT I.D.: T1E1001

DATE SAMPLED: 10/02/95

TIME SAMPLED: 08:45

WORK DESCRIPTION: APACHE STATION BLOOMFIELD REFINERY CO.

LABORATORY I.D.: 952893-0001

DATE RECEIVED: 10/03/95

TIME RECEIVED: 11:00

REMARKS: SAMPLED BY: T.N.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Barium (Ba), extractable TCLP	1.17	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	10/06/95	GCC
Flammability Potential	Neg.		+ or -	ASTM D4982-89	10/06/95	JJP
Cyanide, Reactive	<5	5	mg/kg	EPA SW-846 7.3.3.2	10/04/95	DEH
Corrosivity by pH	6.1	0.1	pH units	30 TAC 335.505 (3)	10/04/95	SEB
Sulfide, Reactive	396	50	mg/kg	EPA SW-846 7.3.4.2	10/05/95	DEH
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	10/09/95	JJP
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	10/05/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	10/04/95	DGP

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

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: Corrosivity by pH				DATE/TIME ANALYZED: 10/04/95 13:00				QC BATCH NUMBER: 990914		
REPORTING LIMIT/DF: 0.1 UNITS: pH units				METHOD REFERENCE : EPA SW-846 90408				TECHNICIAN: SEB		
STANDARD	LCS 2	386.18.4	6.96			7.00	99			
STANDARD	LCS 3	386.18.4	6.99			7.00	100			
DUPLICATE	MD	952827-1	8.2	8.0	2					
DUPLICATE	MD	952827-11	6.9	6.8	1					
PARAMETER: Cyanide, Reactive				DATE/TIME ANALYZED: 10/04/95 08:00				QC BATCH NUMBER: 990934		
REPORTING LIMIT/DF: UNITS: mg/kg				METHOD REFERENCE : EPA SW-846 7.3.3.2				TECHNICIAN: DEH		
BLANK	MB 100495	Di H2O	<5			1.93	105			
STANDARD	LCS	508.20.3	2.03							
SPIKE	PDS	952826-2	1.01					<5	0.944	107
DUPLICATE	MD	952826-2	<5	<5	0					
PARAMETER: Sulfide, Reactive				DATE/TIME ANALYZED: 10/05/95 07:30				QC BATCH NUMBER: 990999		
REPORTING LIMIT/DF: 50 UNITS: mg/kg				METHOD REFERENCE : EPA SW-846 7.3.4.2				TECHNICIAN: DEH		
BLANK	MB 090595	Di H2O	<50			300	100			
STANDARD	LCS	508.18.17	301							
SPIKE	MS	952893-1	736					396	300	113
DUPLICATE	MD	952893-1	396	406	2					
PARAMETER: Flammability Potential				DATE/TIME ANALYZED: 10/06/95 16:39				QC BATCH NUMBER: 991166		
REPORTING LIMIT/DF: UNITS: + or -				METHOD REFERENCE : ASTM D4982-B9				TECHNICIAN: JJP		
DUPLICATE	MD	952793-3	Pos.	Pos.	0					
PARAMETER: Arsenic (As), extractable TCLP				DATE/TIME ANALYZED: 10/06/95 11:08				QC BATCH NUMBER: 991182		
REPORTING LIMIT/DF: 0.05 UNITS: mg/L				METHOD REFERENCE : SW-846 6010A				TECHNICIAN: GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q0895	0.97			1.00	97			
STANDARD	CCV	0913C	4.92			5.00	98			
SPIKE	MS	952876-002	0.91					<0.05	1.00	91
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					
PARAMETER: Barium (Ba), extractable TCLP				DATE/TIME ANALYZED: 10/06/95 11:08				QC BATCH NUMBER: 991183		
REPORTING LIMIT/DF: 0.05 UNITS: mg/L				METHOD REFERENCE : SW-846 6010A				TECHNICIAN: GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	70895	1.00			1.00	100			
STANDARD	CCV	0913C	5.01			5.00	100			
SPIKE	MS	952876-002	1.58					0.71	1.00	87
DUPLICATE	MD	952894-001	2.03	2.44	18					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893      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      DATE/TIME ANALYZED: 10/06/95 11:08      QC BATCH NUMBER: 991183  
REPORTING LIMIT/DF: 0.05 UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

PARAMETER: Cadmium (Cd), extractable TCLP      DATE/TIME ANALYZED: 10/06/95 11:08      QC BATCH NUMBER: 991184  
REPORTING LIMIT/DF: 0.05 UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	Q0895	1.01			1.00	101			
STANDARD	CCV	0913C	4.99			5.00	100			
SPIKE	MS	952894-001	0.92					<0.05	1.00	92
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					

PARAMETER: Chromium (Cr), extractable TCLP      DATE/TIME ANALYZED: 10/06/95 11:08      QC BATCH NUMBER: 991185  
REPORTING LIMIT/DF: 0.05 UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	Q0895	1.03			1.00	103			
STANDARD	CCV	0913C	5.03			5.00	101			
SPIKE	MS	952894-001	0.87					<0.05	1.00	87
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					

PARAMETER: Lead (Pb), extractable TCLP      DATE/TIME ANALYZED: 10/06/95 11:08      QC BATCH NUMBER: 991186  
REPORTING LIMIT/DF: 0.05 UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	Q0895	1.03			1.00	103			
STANDARD	CCV	0913C	5.04			5.00	101			
SPIKE	MS	952894-001	0.86					<0.05	1.00	86
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					

PARAMETER: Selenium (Se), extractable TCLP      DATE/TIME ANALYZED: 10/06/95 11:08      QC BATCH NUMBER: 991187  
REPORTING LIMIT/DF: 0.05 UNITS: mg/L      METHOD REFERENCE : SW-846 6010A      TECHNICIAN: GCC

BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	0.05							
STANDARD	ICV	Q0895	1.00			1.00	100			
STANDARD	CCV	0913C	4.93			5.00	99			
SPIKE	MS	952894-001	0.96					<0.05	1.00	96
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

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: 10/06/95 11:08				QC BATCH NUMBER: 991188		
REPORTING LIMIT/DF: 0.05 UNITS: mg/L				METHOD REFERENCE : SW-846 6010A				TECHNICIAN: GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	70895	1.05			1.00	105			
STANDARD	CCV	0913C	5.14			5.00	103			
SPIKE	MS	952894-001	0.94					<0.05	1.00	94
DUPLICATE	MD	952894-001	<0.05	<0.05	NC					

PARAMETER: Mercury (Hg), extractable, TCLP	DATE/TIME ANALYZED: 10/09/95 18:08	QC BATCH NUMBER: 991472
REPORTING LIMIT/DF: 0.002 UNITS: mg/L	METHOD REFERENCE : EPA SW-846 7470	TECHNICIAN: JJP

BLANK	MB	DI H2O	<0.002							
STANDARD	RS	Bk367 Pg49	0.020			0.020	100			
SPIKE	MS	952893-1	0.049					<0.002	0.050	98
DUPLICATE	MD	952893-1	<0.002	<0.002	NC					

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SW-846 8260

QC NUMBER: 991252

### 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	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
1,1-Dichloroethene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Methyl ethyl ketone	MB	092795	1	<50	50	ug/L
	MB	092795	1	<50	50	ug/L
	MB	100295	1	<50	50	ug/L
	MB	100295	1	<50	50	ug/L
Chloroform	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Carbon tetrachloride	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
1,2-Dichloroethane	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Benzene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Trichloroethene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Tetrachloroethene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
Chlorobenzene	MB	092795	1	<5	5	ug/L
	MB	092795	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L
	MB	100295	1	<5	5	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SW-846 8260

QC NUMBER: 991252

### 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	342.92.1	1	107	100	107	5	ug/L
1,1-Dichloroethene	CC	342.92.1	1	122	100	122	5	ug/L
Methyl ethyl ketone	CC	342.92.1	1	113	100	113	50	ug/L
Chloroform	CC	342.92.1	1	107	100	107	5	ug/L
Carbon tetrachloride	CC	342.92.1	1	120	100	120	5	ug/L
1,2-Dichloroethane	CC	342.92.1	1	128	100	128	5	ug/L
Benzene	CC	342.92.1	1	109	100	109	5	ug/L
Trichloroethene	CC	342.92.1	1	111	100	111	5	ug/L
Tetrachloroethene	CC	342.92.1	1	112	100	112	5	ug/L
Chlorobenzene	CC	342.92.1	1	110	100	110	5	ug/L
Dibromofluoromethane(Surrogate)	CC	342.92.1	1	47	50	94	5	ug/L
Toluene d-8 (Surrogate)	CC	342.92.1	1	50	50	100	5	ug/L
4-Bromofluorobenzene(Surrogate)	CC	342.92.1	1	50	50	100	5	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP Volatiles

DATE ANALYZED: 10/05/95 TIME ANALYZED: 17:30 METHOD: EPA SW-846 8260

QC NUMBER: 991252

### 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	952800-1	1	950	0	1000	95	5	ug/L
	MSD	952800-1	1	940	0	1000	94	5	ug/L
1,1-Dichloroethene	MS	952800-1	1	1110	0	1000	111	5	ug/L
	MSD	952800-1	1	1130	0	1000	113	5	ug/L
Methyl ethyl ketone	MS	952800-1	1	1190	0	1000	119	50	ug/L
	MSD	952800-1	1	1200	0	1000	120	50	ug/L
Chloroform	MS	952800-1	1	1050	0	1000	105	5	ug/L
	MSD	952800-1	1	1060	0	1000	106	5	ug/L
Carbon tetrachloride	MS	952800-1	1	1070	0	1000	107	5	ug/L
	MSD	952800-1	1	1090	0	1000	109	5	ug/L
1,2-Dichloroethane	MS	952800-1	1	1250	0	1000	125	5	ug/L
	MSD	952800-1	1	1240	0	1000	124	5	ug/L
Benzene	MS	952800-1	1	970	0	1000	97	5	ug/L
	MSD	952800-1	1	980	0	1000	98	5	ug/L
Trichloroethene	MS	952800-1	1	970	0	1000	97	5	ug/L
	MSD	952800-1	1	970	0	1000	97	5	ug/L
Tetrachloroethene	MS	952800-1	1	970	0	1000	97	5	ug/L
	MSD	952800-1	1	990	0	1000	99	5	ug/L
Chlorobenzene	MS	952800-1	1	990	0	1000	99	5	ug/L
	MSD	952800-1	1	980	0	1000	98	5	ug/L
Dibromofluoromethane(Surrogate)	MB	092795-00	1	510	0	500	102	5	ug/L
	MB	092795-00	1	520	0	500	104	5	ug/L
	MB	100295-00	1	510	0	500	102	5	ug/L
	MB	100295-00	1	510	0	500	102	5	ug/L
Toluene d-8 (Surrogate)	MB	092795-00	1	490	0	500	98	5	ug/L
	MB	092795-00	1	490	0	500	98	5	ug/L
	MB	100295-00	1	480	0	500	96	5	ug/L
	MB	100295-00	1	500	0	500	100	5	ug/L
4-Bromofluorobenzene(Surrogate)	MB	092795-00	1	500	0	500	100	5	ug/L
	MB	092795-00	1	500	0	500	100	5	ug/L
	MB	100295-00	1	490	0	500	98	5	ug/L
	MB	100295-00	1	480	0	500	96	5	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/09/95 TIME ANALYZED: 13:47 METHOD: EPA SW-846 8270

QC NUMBER: 991365

### BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
1,4-Dichlorobenzene	MB	100695	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	100695	1	<10	10	ug/L
Hexachlorobenzene	MB	100695	1	<10	10	ug/L
Hexachlorobutadiene	MB	100695	1	<10	10	ug/L
Hexachloroethane	MB	100695	1	<10	10	ug/L
Nitrobenzene	MB	100695	1	<10	10	ug/L
Pentachlorophenol	MB	100695	1	<50	50	ug/L
2,4,5-Trichlorophenol	MB	100695	1	<10	10	ug/L
2,4,6-Trichlorophenol	MB	100695	1	<10	10	ug/L
Pyridine	MB	100695	1	<10	10	ug/L
Cresols (Total)	MB	100695	1	<30	30	ug/L

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# CORE LABORATORIES

## QUALITY ASSURANCE REPORT 10/10/95

JOB NUMBER: 952893

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX

TCLP SEMIVOLATILES

DATE ANALYZED: 10/09/95 TIME ANALYZED: 13:47 METHOD: EPA SW-846 8270

QC NUMBER: 991365

### 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	100695-00	1	65	0	250	26	10	ug/L
2,4-Dinitrotoluene	BS	100695-00	1	88	0	250	35	10	ug/L
Hexachlorobenzene	BS	100695-00	1	110	0	250	44	10	ug/L
Hexachlorobutadiene	BS	100695-00	1	76	0	250	30	10	ug/L
Hexachloroethane	BS	100695-00	1	66	0	250	26	10	ug/L
Nitrobenzene	BS	100669-00	1	96	0	250	38	10	ug/L
Pentachlorophenol	BS	100695-00	1	290	0	750	39	50	ug/L
2,4,5-Trichlorophenol	BS	100695-00	1	320	0	750	43	10	ug/L
2,4,6-Trichlorophenol	BS	100695-00	1	120	0	250	48	10	ug/L
Pyridine	BS	100695-00	1	140	0	500	28	10	ug/L
Cresols (Total)	BS	100695-00	1	230	0	750	31	30	ug/L

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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.

### SUBCONTRACTED 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\*

MB = Method Blank  
RB = Reagent Blank  
SB = Storage Blank  
ICB = Initial Calib. Blank  
CCB = Continuing Calib. Blank

#### REFERENCE STANDARDS

RS = Reference Standard  
CC = Continuing Calib.  
LCS = Laboratory Control Std.  
ICV = Initial Calib. Verification  
CCV = Cont. Calib. Verification

#### SPIKES AND DUPLICATES

MS = Matrix Spike, BS = Blank Spike  
SS = Surrogate Spike, MD = Matrix Dup.  
PDS = Post Digested Spike  
MSD = Matrix Spike Duplicate  
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

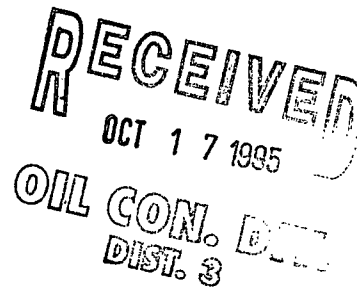




<b>REQUEST FOR APPROVAL</b> <b>ACCEPT SOLID WASTE</b> 95022		XXXXXXXXXXXXXXXXXXXXXXXX	
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <b>DENNY FOUST</b> <small>(Submitting this form for oilfield exempt waste is optional)</small> <b>DATE: 10/10/95</b>		4. Generator <b>BASIN DISPOSAL</b>	
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>		5. Name of Originating Site <b>SAME AS ABOVE</b> <b>UNIT E &amp; F SEC 3, 29N, 11W</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter <b>C F &amp; M OILFIELD SERVICE</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. <u>Check One</u>  <div style="display: flex; flex-direction: column; gap: 10px;"> <div><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.</div> <div><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.</div> <div><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.</div> </div> <p>All transporters must certify that the wastes delivered are only those consigned for transport.</p> <p>Projected Date(s) for transportation: _____</p>			

**BRIEF DESCRIPTION OF THE MATERIAL:**

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



Estimated Volume \_\_\_\_\_ yd<sup>3</sup>      Known Volume (to be entered by the operator at end of haul): **328** yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *[Signature]* TITLE **OPERATIONS MGR.** DATE **10/10/95**

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

(This space for State Use)

APPROVED BY *Denny Foust* TITLE *Geologist* DATE *10/16/95*

APPROVED BY *[Signature]* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



**TIERRA  
ENVIRONMENTAL  
CORPORATION**

**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 DISPOSAL  
PROCESS PRE-MIXED WITH CLEAN SOIL

**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

[Signature]

**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** \_\_\_\_\_

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

**Address** P.O. Box 100

AZTEC, NM 87410

<b>REQUEST FOR APPROVAL</b>	<b>ACCEPT SOLID WASTE</b>	(XXXXXXXXXXXXXXXXXXXXXXXXXXXX)
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <span style="float: right;">95022/9A</span> 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) <b>DATE: 09/26/95</b>		4. Generator <b>BASIN DISPOSAL</b>
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>		5. Name of Originating Site <b>SAME AS ABOVE</b> <b>UNIT E &amp; F SEC 3, 29N, 11W</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter <b>C F &amp; M OILFIELD SERVICE</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. <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-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>09/26/95</u>		

**BRIEF DESCRIPTION OF THE MATERIAL:**

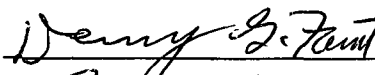
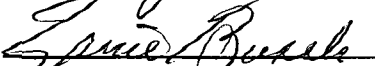
**SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-MIXED  
WITH CLEAN SOIL**

**RECEIVED**  
 SEP 27 1995  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume 550 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  TITLE LANDFARM MGR.. DATE 09/26/95  
 TYPE OR PRINT NAME LARRY F. HUNTER TELEPHONE NO. (505) 334-8894

(This space for State Use)

APPROVED BY  TITLE Geologist DATE 10/2/95  
 APPROVED BY  TITLE " DATE "

CONDITIONS OF APPROVAL, IF ANY:



**TIERRA  
ENVIRONMENTAL  
CORPORATION**

**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

EST 550,000

**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 TOM FISH

**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** Tom Fish

**Title** DAY FORMAN **Date** 9-26-1995

**Address** Box 100

AZTEC, NM 87410

REQUEST FOR APPROVAL	ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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) <b>DATE:</b>	4. Generator <b>MERIDIAN OIL Inc.</b>	
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>	5. Name of Originating Site <b>MAGNUM 1E</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <b>PHILIP ENVIRONMENTAL</b>	
7. Originating Location of Material (Street Address or ULSTR) <b>UNIT F SEC 27 - 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-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: _____		

BRIEF DESCRIPTION OF THE MATERIAL:

**HYDRO-CARBON CONTAMINATED SOIL FROM WELL BORE**

**RECEIVED**  
 SEP 27 1995  
 OIL CON. DIST. 3

Estimated Volume \_\_\_\_\_ yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): **10** yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Larry F. Hunter* TITLE **LANDFARM MGR..** DATE **09/01/95**

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

(This space for State Use)

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

APPROVED BY *Ernie Buck* TITLE *Geologist* DATE *10/6/95*

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.)

Magnus 1E well location  
unit E, sec 27, T.29N, R.11W

This material originated:

☒ In The State of New Mexico

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

Source: well bore

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

Title Environmental Representative

Address 3535 E. 30th, Farmington, NM

Date 8/31/95

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST

4. Generator  
WILLIAMS FIELD SERVICE

2. Destination  
Tierra Environmental Corp. Crouch Mesa Landfarm

5. Name of Originating Site  
CULPEPPER MARTIN #11  
GATHERING STATION

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
C F & M OILFIELD SERVICE

7. Originating Location of Material (Street Address or ULSTR)  
NE 1/4 SEC 29 - T32N - 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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

SOIL CONTAMINATED BY CONDENSATE SPILL FROM  
GATHERING LINE OPERATIONS

RECEIVED  
SEP 27 1995  
OIL CON. DIV.  
DIT

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

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

SIGNATURE Larry F. Hunter TITLE LANDFARM MGR. DATE 08/25/95

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 10/2/95

APPROVED BY Erica Busch TITLE u DATE 11

CONDITIONS OF APPROVAL, IF ANY:



TIERRA  
ENVIRONMENTAL  
CORPORATION

## CORPORATE OFFICE

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

## LANDFARM OFFICE

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

CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE

## Originating

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

Meridian Oil Culpepper Martin #11 gathering  
line owned by Williams Field Services  
located in the NE 1/4 S 29 T 32 N R 12 W

This material originated in:

☒ The State of New Mexico

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

Source: Condensate spill from gathering line operation

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 TOM McMILLANRepresentative for WILLIAMS 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 T. McMILLANTitle DispatcherDate 8/25/95Address P.O. Box 218 Bloomfield, N.M. 87413



REQUEST FOR APPROVAL ) ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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) <b>DATE: 9/21/95</b>	4. Generator <b>MURPHY H. BAXTER</b>	
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>	5. Name of Originating Site <b>NAVAJO PEAK #1</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <b>DAWN TRUCKING</b>	
7. Originating Location of Material (Street Address or ULSTR) <b>SEC 28 - T33N - R2W ARCHULETA COUNTY</b>	8. State <b>COLORADO</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-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.  <b>All transporters must certify that the wastes delivered are only those consigned for transport.</b>  Projected Date(s) for transportation: <b>09/21/95</b>		

**BRIEF DESCRIPTION OF THE MATERIAL:**

**DRILLING MUD FROM DRILLING OF OIL WELL**

**RECEIVED**  
 SEP 27 1995  
**OIL CON. DIV.**  
 DIST. 3

Estimated Volume **140 Bbls** 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 *Larry F. Hunter* TITLE **LANDFARM MGR..** DATE **09/21/95**  
 TYPE OR PRINT NAME **LARRY F. HUNTER** TELEPHONE NO. **(505) 334-8894**

(This space for State Use)

APPROVED BY *Denny Foust* TITLE **Geologist** DATE **10/2/95**  
 APPROVED BY *Gracie Burch* TITLE **"** DATE **"**

CONDITIONS OF APPROVAL, IF ANY:



TIERRA  
ENVIRONMENTAL CORPORATION

CORPORATE OFFICE

Farmington, NM 87401

# FAX COVER SHEET

DATE 9-21-95

PAGE 1 OF 3

FROM TIERRA ENVIRONMENTAL CORP.

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

TO DONALD ENGLISHMAN / PAT RODDY

FAX 1-970-385-4818

SUBJECT / NOTE(S): MR/MRS RODDY, WE NEED ONLY THE  
CERTIFICATE FROM OUT OF STATE AGENCY COMPLETED AND RETURNED  
IN ORDER TO COMPLETE THIS PROJECT PER my TALK WITH  
MR ENGLISHMAN THIS MORNING.

THANK YOU

LARRY F. HUNTER

P.S. I AM SORRY FOR THE QUALITY OF IMAGE ON OUR CERTIFICATE  
BUT AS YOU CAN TELL IT'S BEEN AROUND.

THE WELL LOCATION NAME IS: NAVAJO PEAK #1

THE LEGAL IS: SEC 28 T33N R2W IN ARCHELETA CO.

THE GENERATOR IS: MURPHY H. BAXTER

LINE

ID:915-684-8998

SEP 05'95

13:25 No.002 P.02

Couch Mesa Landfarm P.O. Box 2040 Midland, TX 79702

Page 4 of 5 Tuesday, September 05, 1995 11:22:25 AM

ATTN: PAT RODDY

**TIERRA  
ENVIRONMENTAL  
CORPORATION**

TE OFFICE

15250

Box, Rm 87401  
329.0924

FARM OFFICE

CR. 3100  
NM 87410  
334-8824**CERTIFICATE OF WASTE STATUS  
EXEMPT OILFIELD WASTE****Originating**

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

MURPHY H. BAXTER (co. name) NAVAJO PEAK #1 (LOCATION NAME)  
Apache Co. Sec 29 37N Range 2 E

This material originated in:

☐ The State of New Mexico☒ The State of Colorado, Letter from Regulatory  
Agency having jurisdiction therefore is attached.Source: Drilling of oil wellDestination: Tierra Environmental CorporationCrouch Mesa Landfarm FacilitySE 1/4, Section 2, Township 29 North, Range 12 WestNMPMSan Juan County, New MexicoI, Larry GilletteRepresentative for Murphy H. Baxter

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 Larry GilletteTitle Petroleum EngineerDate 9/5/95Address P.O. Box 2040Midland, TX 79702

OPTIONAL FORM 99 (7-90)

## FAX TRANSMITTAL

# of pages 1

To	Larry Hunter	From	D. Englishman
Dept./Agency	Tierra Enviro. Corp.	Phone #	970-247-4082
Fax #	(505) 334-9024	Fax #	

NSN 7540 01-317-7388 5099 101 GENERAL SERVICES ADMINISTRATION

**CERTIFICATE FROM OUT OF STATE AGENCY  
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE  
FROM THEIR JURISDICTION TO NEW MEXICO**

I have reviewed the enclosed information concerning RCRA exempt material from TIERRA ENVIRONMENTAL CORPORATION and do agree that the material is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

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

\_\_\_\_\_ The material is exempt from regulation by characteristic analysis.

\_\_\_\_\_ The material is exempt from regulation by product identification.

As a representative for BUREAU OF LAND MANAGEMENT I have no objections to the material being removed to New Mexico.

NAME: DONALD ENGLISHMAN TITLE: ENVIRO. PROT. SPEC.

SIGNATURE Donald Englishman DATE 9-21-95

AGENCY Bureau of Land Management, BLM

ADDRESS 701 Camino del Rio, Durango, Co. 81301

PHONE (970) 247-4082

REQUEST FOR APPROVAL ) ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
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: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 09/19/95	95040 4. Generator SCHALK DEVELOPMENT CO.	
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site SCHALK 52 #5	
3. Address of Facility Operator 420 CR. 3100 AZTEC, NM 87410	6. Name of Transporter ARAPAHOE DRILLING CO.	
7. Originating Location of Material (Street Address or ULSTR) UNIT M SEC 24 - T29N - R5W	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-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: 09/19/95		

**BRIEF DESCRIPTION OF THE MATERIAL:**

**MATERIAL CONSISTS OF CALCIUM CHLORIDE & SALT WHICH ACCUMULATED OVER TIME IN THE BOTTOM OF A EVAPORATION TANK AT THIS SITE.**

**RECEIVED**  
 SEP 27 1995  
**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 *[Signature]* TITLE LANDFARM MGR.. DATE 09/19/95

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 10/2/95

APPROVED BY *Gene Bush* TITLE " DATE "

CONDITIONS OF APPROVAL, IF ANY: One certificate of waste and one request with both locations sufficient

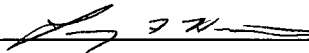
<b>REQUEST FOR APPROVAL      ) ACCEPT SOLID WASTE</b>		<b>95040</b>	<b>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</b>
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> By: <b>DENNY FOUST</b> (Submitting this form for oilfield exempt waste is optional) <b>DATE: 09/19/95</b>		4. Generator <b>SCHALK DEVELOPMENT CO.</b>	
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>		5. Name of Originating Site <b>SCHALK 52 #6</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter <b>ARAPAHOE DRILLING CO.</b>	
7. Originating Location of Material (Street Address or ULSTR) <b>UNIT G SEC 24 - T29N - R5W</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-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: <b>09/19/95</b>			

**BRIEF DESCRIPTION OF THE MATERIAL:**

**MATERIAL CONSISTS OF CALCIUM CHLORIDE & SALT WHICH ACCUMULATED OVER TIME IN THE BOTTOM OF A EVAPORATION TANK AT THIS SITE.**

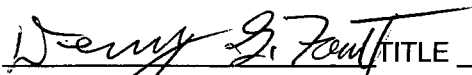
Estimated Volume \_\_\_\_\_ yd<sup>3</sup>      Known Volume (to be entered by the operator at end of haul): **2** yd<sup>3</sup>

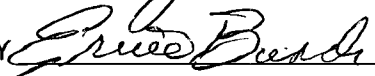
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE **LANDFARM MGR..** DATE **09/19/95**

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

(This space for State Use)

APPROVED BY  TITLE **Geologist** DATE **10/2/95**

APPROVED BY  TITLE **"** DATE **"**

CONDITIONS OF APPROVAL, IF ANY:



**TIERRA  
ENVIRONMENTAL  
CORPORATION**

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.)

SCHALK 52 #5

M 24-29-5

RIO ARIBBA CO. N.M.

This material originated in:

☒ The State of New Mexico

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

Source: MATERIAL CONSISTS OF CALCIUM  
CHLORIDE & SALT WHICH ACCUMULATED  
OVERTIME IN THE BOTTOM OF AN  
EVAPORATION TANK AT THIS WELL SITE

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 JACK EVANS

Representative for Schalk Development Co.  
P.O. Box 2078  
Farmington, N.M. 87401

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 Jack Evans

Title Prod. Supt. Date Sept. 19, 1995



# TIERRA ENVIRONMENTAL CORPORATION

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.)

SCHALK 52 #6

G 24-29-5

RIO ARRIBA CO., N.M.

This material originated in:

☒ The State of New Mexico

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

Source: MATERIAL CONSISTS OF CALCIUM  
CHLORIDE & SALT WHICH ACCUMULATED  
OVER TIME IN THE BOTTOM OF A  
EVAPORATION TANK AT THIS WELL SITE

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 JACK EVANS

Representative for SCHALK Development Co.  
P.O. BOX 2078  
FARMINGTON, N.M. 87401

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 Jack Evans

Title Prod. Supt. Date Sept. 19, 1995

Address \_\_\_\_\_



REQUEST FOR APPROVAL/ ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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: DENNY FOUST (Submitting this form for oilfield exempt waste is optional) DATE: 09/13/95		4. Generator <b>BASIN DISPOSAL</b>
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>		5. Name of Originating Site <b>SAME AS ABOVE</b> <b>UNIT E SEC 3, 29N, 11W</b>
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>		6. Name of Transporter <b>C F &amp; M OILFIELD SERVICE</b>
7. Location of Material (Street Address or ULSTR) <b>SAME AS ABOVE CELL 11</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-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: 09/13/95

BRIEF DESCRIPTION OF THE MATERIAL:

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

**RECEIVED**  
 SEP 15 1995  
**OIL CON. DIV.**  
**DIST. 3**

Estimated Volume 300 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 370 yd<sup>3</sup>  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE LANDFARM MGR.. DATE 09/13/95

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

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 9/15/95

APPROVED BY [Signature] TITLE u DATE u

CONDITIONS OF APPROVAL, IF ANY:



**TIERRA  
ENVIRONMENTAL  
CORPORATION**

**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 E & F - 3 - 29N 11W

UNIT E SEC 3, 29N, 11W

**This material originated in:**

☒ **The State of New Mexico**

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

**Source:** SOLIDS FROM WASTE WATER INJECTION PROCESS PRE-MIXED WITH

CLEAN SOIL

APPROX 40<sup>3</sup>

**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** COLLIN HART

**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** Collin P Hart

**Title** Manager

**Date** 7/12/95

**Address** Box 100 AZTEC, NM 87410

## REQUEST FOR APPROVAL

## ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST

+ Generator

EL PASO NATURAL GAS

2. Destination  
Tierra Environmental Crouch Mesa Landfarm

5. Name of Originating Site  
See Attached List

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
Doug Foutz Construction

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

Various dehydrator and drip pits at closure sites closed during  
AUGUST 1995

RECEIVED  
SEP 15 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 1175 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 [Signature] TITLE LANDFARM MGR. DATE 9/01/95

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

(This space for State Use)

APPROVED BY Denny B. Faint TITLE Geologist DATE 9/15/95

APPROVED BY [Signature] TITLE n DATE 4

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.)

A list of pit closure sites is attached.

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 Superintendent Compliance Engineering

Address P.O. Box 4990; Farmington, NM 87499

Date \_\_\_\_\_

## Sheet1

			Tierra	
CLOSED	METER	METER2	LOCATION	S T R L
8/2/95	90178		Leslie Kay #1	7-29-12-F
8/18/95	72265		San Juan 28-8 #79 MV	11-27-6-M
8/23/95	70327		Gartner LS #7	26-30-8-K

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT/YDS	BACK/YDS	CELL
8/2/95	9687	90178	LESLIE KAY #1	FOUTZ	132	10.00	10.00	9
8/2/95	9688	90178	LESLIE KAY #1	FOUTZ	933	<u>10.00</u>	<u>10.00</u>	9
						20.00	20.00	
8/15/95	9689	72265	SAN JUAN 28-6 #79mv	FOUTZ	432	20.00	20.00	9
8/15/95	9690	72265	SAN JUAN 28-6 #79mv	FOUTZ	831	20.00	20.00	9
8/15/95	9691	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	20.00	20.00	9
8/15/95	9692	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	30.00	30.00	9
8/15/95	9693	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	20.00	20.00	9
8/15/95	9694	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	30.00	30.00	9
8/15/95	9695	72265	SAN JUAN 28-6 #79mv	FOUTZ	935	20.00	10.00	9
8/15/95	9696	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	<u>20.00</u>	<u>10.00</u>	9
						180.00	160.00	
8/16/95	9697	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	30.00	30.00	9
8/16/95	9698	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	45.00	45.00	9
8/16/95	9699	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	45.00	45.00	9
8/16/95	9700	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	30.00	30.00	9
8/16/95	9701	72265	SAN JUAN 28-6 #79mv	FOUTZ	832	30.00	30.00	9
8/16/95	9702	72265	SAN JUAN 28-6 #79mv	FOUTZ	132	<u>20.00</u>	<u>20.00</u>	9
						200.00	200.00	
8/17/95	9703	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	45.00	45.00	9
8/17/95	9704	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	30.00	30.00	9
8/17/95	9705	72265	SAN JUAN 28-6 #79mv	FOUTZ	132/831	30.00	30.00	9
8/17/95	9706	72265	SAN JUAN 28-6 #79mv	FOUTZ	432	30.00	30.00	9
8/17/95	9707	72265	SAN JUAN 28-6 #79mv	FOUTZ	934	30.00	30.00	9
8/17/95	9708	72265	SAN JUAN 28-6 #79mv	FOUTZ	935/931	20.00	20.00	9
8/17/95	9709	72265	SAN JUAN 28-6 #79mv	FOUTZ	409	0.00	10.00	
8/17/95	9710	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	20.00	10.00	9
8/17/95	9711	72265	SAN JUAN 28-6 #79mv	FOUTZ	531	<u>15.00</u>	<u>0.00</u>	9
						220.00	205.00	
8/18/95	9712	72265	SAN JUAN 28-6 #79mv	FOUTZ	131	10.00	10.00	9
8/18/95	9713	72265	SAN JUAN 28-6 #79mv	FOUTZ	835	10.00	10.00	9
8/18/95	9714	72265	SAN JUAN 28-6 #79mv	FOUTZ	833	<u>15.00</u>	<u>0.00</u>	9
						35.00	20.00	
8/21/95	9715	70327	GARTNER LS #7	FOUTZ	934	20.00	10.00	9
8/21/95	9716	70327	GARTNER LS #7	FOUTZ	831	20.00	10.00	9
8/21/95	9717	70327	GARTNER LS #7	FOUTZ	835	20.00	10.00	9
8/21/95	9718	70327	GARTNER LS #7	FOUTZ	935	<u>20.00</u>	<u>10.00</u>	9
						80.00	40.00	
8/22/95	9719	70327	GARTNER LS #7	FOUTZ	131	20.00	20.00	9
8/22/95	9720	70327	GARTNER LS #7	FOUTZ	132	20.00	20.00	9
8/22/95	9721	70327	GARTNER LS #7	FOUTZ	835	30.00	40.00	9
8/22/95	9722	70327	GARTNER LS #7	FOUTZ	831	40.00	40.00	9
8/22/95	9723	70327	GARTNER LS #7	FOUTZ	432	40.00	40.00	9
8/22/95	9724	70327	GARTNER LS #7	FOUTZ	933	20.00	20.00	9

8/22/95	9725	70327	GARTNER LS #7	FOUTZ	934	<u>10.00</u>	<u>10.00</u>	9
						180.00	190.00	
8/23/95	9726	70327	GARTNER LS #7	FOUTZ	933	30.00	30.00	9
8/23/95	9727	70327	GARTNER LS #7	FOUTZ	132	40.00	40.00	9
8/23/95	9728	70327	GARTNER LS #7	FOUTZ	131	10.00	10.00	9
8/23/95	9729	70327	GARTNER LS #7	FOUTZ	432	40.00	40.00	9
8/23/95	9730	70327	GARTNER LS #7	FOUTZ	831	40.00	40.00	9
8/23/95	9731	70327	GARTNER LS #7	FOUTZ	931	30.00	30.00	9
8/23/95	9732	70327	GARTNER LS #7	FOUTZ	835	20.00	20.00	9
8/23/95	9733	70327	GARTNER LS #7	FOUTZ	935	10.00	0.00	9
8/23/95	9734	70327	GARTNER LS #7	FOUTZ	934	10.00	0.00	9
8/23/95	9735	70327	GARTNER LS #7	FOUTZ	832	15.00	0.00	9
8/23/95	9736	70327	GARTNER LS #7	FOUTZ	531	<u>15.00</u>	<u>0.00</u>	9
						260.00	210.00	
						1,175.00	1,045.00	

**EL PASO JULY 1995**

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
8/2/95	LESLIE KAY #1	90178	20.00	20.00	9
8/18/95	SAN JUAN 28-6 #79mv	72265	635.00	585.00	9
8/23/95	GARTNER LS #7	70327	520.00	440.00	9

SUM:	SUM:
1,175.00	1,045.00



## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐ By: DENNY FOUST  
(Submitting this form for oilfield exempt waste is optional) DATE: 09/01/95

4. Generator  
MALLON OIL CO.

2. Destination  
Tierra Environmental Corp. Crouch Mesa Landfarm

5. Name of Originating Site  
So. UTE 30-9

3. Address of Facility Operator  
420 CR. 3100 AZTEC, NM 87410

6. Name of Transporter  
THREE RIVERS TRUCKING

7. Location of Material (Street Address or ULSTR)  
SAME AS ABOVE CELL 12 IMPOUNDMENT

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-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: 09/02/95

## BRIEF DESCRIPTION OF THE MATERIAL:

DRILLING MUD CUTTING, LOW SOLIDS, NON-DISPENSED BENTONITE  
DRILLING MUD

RECEIVED  
SEP 15 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 360 Bbls. yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 400 Bbls. yd<sup>3</sup>

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

SIGNATURE [Signature] TITLE LANDFARM MGR.. DATE 09/05/95

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

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 9/15/95

APPROVED BY [Signature] TITLE n DATE n

CONDITIONS OF APPROVAL, IF ANY:



**TIERRA  
ENVIRONMENTAL  
CORPORATION**

**CORPORATE OFFICE  
and  
LANDFARM**

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.)**

S. Ute 30-9  
sec. 30 T 33 N, R 11 W

**This material originated in:**

☐ The State of New Mexico

☐ The State of Colorado. Letter from Regulatory Agency having jurisdiction therefore is attached.

**Source:** S. Ute 30-9 Drilling mud cutting  
Low Solids non-dispersed Bentonite  
Drilling mud.

**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 Jim Costalez  
Representative for Mallon Oil 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 [Signature]  
Title Production Foreman Date 8/31/95  
Address \_\_\_\_\_

## CERTIFICATE FROM OUT OF STATE AGENCY

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

I have reviewed the enclosed information concerning RCRA exempt material from S.UTE 30-9 well, Mallon Oil Co. NESE 20-30A-11<sup>W</sup> and do agree that the material is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

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

☐ The material is exempt from regulation by characteristic analysis.

☐ The material is exempt from regulation by product identification.

As a representative for The Bureau of Land Management have no objections to the material being removed to New Mexico.

Name: DONALD ENGELHMAN Title: Acting District Staff Chief

Signature: Donald Engelhman Date: 9-1-95

Agency: Bureau of Land Management (O&G Div)

Address: 701 Camino del Rio, Durango, Co. 81301

Phone: Office: (970) 247-4042  
Home: (970) 247-2524

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)		4. Name of Transporter DIVISION Philip	
2. Destination Tierra Crouch Mesa Landfarm		5. Generator El Paso	
3. Address of Facility Operator P.O. Box 15250 Farmington, N.M. 87401		6. Name of Originating Site El Paso Pipeline Dist Invest	
7. Originating Location of Material (Street Address or ULSTR) 816 Aztec Blvd. Aztec N.M.		8. State N.M.	

## 9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- ☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Result of Sump Closure from above location

RECEIVED  
SEP - 8 1995

OIL CON. DIV.  
DIST. 3

9508084 sample  
950857 resample  
for SV

RECEIVED  
AUG 10 1995

OIL CON. DIV.  
DIST. 3

Estimated Volume 325 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Philip C. Stahl TITLE CEO DATE 8/9/95

TYPE OR PRINT NAME Philip C. Stahl TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny D. Fount TITLE Geologist DATE 8/11/95

APPROVED BY [Signature] TITLE Geologist DATE 9-7-95

CONDITIONS OF APPROVAL, IF ANY:

Waiting on semi-volatiles Called Denny

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Philip	
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All transporters must certify that the wastes delivered are only those consigned for transport

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Result of Sump Closure from above location

**RECEIVED**  
AUG 10 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 325 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Philip C. Stahls TITLE CEO DATE 8/9/95

TYPE OR PRINT NAME Philip C. Stahls TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Feint TITLE Geologist DATE 8/11/95

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

Scmta Fe 8/11/95  
CONDITIONS OF APPROVAL, IF ANY:

August 10, 1995

Phillip C. Nobis  
Tierra Environmental Co.  
909 West Apache  
Farmington, NM 87401

**RECEIVED**  
AUG 10 1995  
**OIL CON. DIV.**  
DIST. 3

**Re: Aztec Pipeline District Sump Investigation - El Paso Natural Gas Company (EPNG)**

Mr. Nobis,

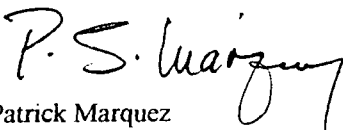
EPNG's Aztec Pipeline District has removed approximately 375 cubic yards of non-exempt soil from beneath the District Office Garage according to NMOCD's directive. Details are as follows:

- Aztec Pipeline District - 816 Aztec Blvd NE, City of Aztec
- Certificate of Waste Status for non-exempt waste is attached
- Analysis for the soil is attached for your review
- Philip Environmental will deliver the soil to your facility upon NMOCD approval
- EPNG's NMOCD approved Closure Plan is attached

Philip Environmental has heavy equipment standing by to complete this project, therefore any efforts to expedite the approval would be appreciated.

Should you require further information, please do not hesitate to call at 5992175.

Thank you,

  
Patrick Marquez  
Compliance Engineer

cc: w/attachments

Denny Foust - Aztec NMOCD  
Bill Olson - NMOCD  
Charlie Brown - EPNG  
Sandra Miller/David Bays/File: 5216 Environmental



TIERRA  
ENVIRONMENTAL CORPORATION

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

CERTIFICATE OF WASTE STATUS  
NON-EXEMPT RCRA WASTE

Originating

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

El Paso Natural Gas Co. - Aztec Pipeline District

located at 816 Aztec Blvd NE, City of Aztec

"Sump Investigation"

Source: The sump received floor drain effluent from the garage.

Effluent was primarily generated from the common practice  
of washing down the floor with a fresh water source.

I Patrick Marquez representative  
for El Paso Natural Gas Company

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

MSDS Information

RCRA TCLP Analysis

X RCRA Metals

Ign Corrosivity, Ignitability, Reactivity

Letter from Out of State Regulatory Agency

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

Signature

Patrick S. Marquez

Title

Compliance Engineer

Date

August 10, 1995



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

File 8013 -  
Garage (1/2 Fld)



BRUCE KING  
GOVERNOR

August 22, 1994

ANITA LOCKWOOD  
CABINET SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-111-334-156**

Ms. Anu Pundari  
Sr. Compliance Engineer  
El Paso Natural Gas Company  
P.O. Box 4990  
Farmington, New Mexico 87499

**RE: EPNG AZTEC YARD  
SAN JUAN COUNTY, NEW MEXICO**

Dear Mr. Hall:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) July 12, 1994 "EPNG AZTEC YARD SUMP CLOSURE". This document contains EPNG's work plan for closure of the existing sump north of the welding shop which was taken out of service in 1990.

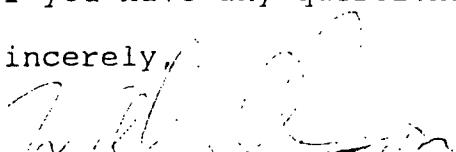
The above referenced work plan is approved with the following condition:

1. The report containing the results of the closure and a work plan for determining any potential impacts from the old sump under the slab of the welding shop will be submitted to the OCD by November 4, 1994.

Please be advised that OCD approval does not relieve EPNG of liability should the closure activities fail to adequately remediate contaminants related to EPNG's activities. In addition, OCD approval does not relieve EPNG of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,

  
William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: OCD Aztec Office





P. O. BOX 4990  
FARMINGTON, NEW MEXICO 87499

July 12, 1994

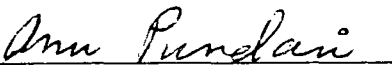
Mr. Bill Olson  
New Mexico Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87504

Subject : EPNG Aztec Yard Sump Closure

Dear Mr. Olson:

Attached is the closure plan for the existing sump north of the welding shop which was taken out of service in 1990. A work plan for determining any potential ground water impacts from the old sump located under the slab of the welding shop which was closed in 1974 will be sent with the north sump closure report.

El Paso Natural Gas Company respectfully requests approval of the attached closure plan. If you need additional information, please contact me at ( 505 ) 599-2176.

  
Anu Pundari  
Sr. Compliance Engineer

cc: Mr. David Hall ( EPNG )  
Ms. Nancy Prince ( EPNG )  
Ms. Sandra Miller ( EPNG )  
Mr. Denny Foust ( NMOCD )

## NORTH SUMP CLOSURE PLAN

1. The assessment to determine the lateral and vertical extent of contamination will be performed according to NMOCD's *Unlined Surface Impoundment Closure Guidelines*.
2. Upon removal of the culvert, any visually contaminated soil will be excavated to a maximum depth and horizontal extent practicable.
3. The soil will be stockpiled onsite and covered with plastic.
4. Composite soil samples will be obtained from the side walls and bottom of the excavation prior to backfilling. Soil samples will be analyzed for benzene, toluene, xylene, ethylbenzene by EPA Method 8020 , and Total Petroleum Hydrocarbons by 418.1
5. The representative sample of the stockpiled soil will be analyzed for benzene, toluene, xylene, ethylbenzene by EPA Method 8020 , and Total Petroleum Hydrocarbons by 418.1, RCRA TCLP analysis, RCRA metals, and ignitability. The soil will not be tested for corrosivity and reactivity since there is no reason to believe that corrosive or reactive waste was disposed in the sump.
6. Upon approval for disposal of " non-exempt" soil from NMOCD and Tierra Environmental, the contaminated soil will be transported to Tierra Environmental's landfarm facility. Tierra Environmental will be responsible for spreading, disking and analyzing the soil at the landfarm according to NMOCD requirements.
7. The excavated soil will be replaced with clean backfill and machine compacted.
8. The backfilled area will be repaved with asphalt.
9. A report containing the results of the closure will be submitted to NMOCD after completion of the closure activities. The closure report will detail any additional investigation if required. In addition, a work plan for determining any potential ground water impacts from the old sump located under the slab of the welding shop which was closed in 1974 will be sent.
10. The local NMOCD will be notified of excavation activities at least 48 hours prior to commencement such that NMOCD has the opportunity to witness the operation and/or split samples.

FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . . FAX . . .

FROM:



Analytical Technologies, Inc.

2709-D Pan American Freeway, NE  
Albuquerque, NM

(505) 344-3777  
(505) 344-4413 FAX

☐ Mitch Rubenstein

☒ Kim McNeill

☐ Dianne Cutler

☐ Peggy Norton

Number of pages being sent: 20 (including this page)

TO:

Name : John Lambdin

Company : EPNG

Phone # : \_\_\_\_\_

FAX # : 599 2261

COMMENTS:

Aztec P/c Report ATJ ID 587405

→ 375 Cubic Yards Soil ←

NOTE:

If any of these FAX copies are illegible or you do not receive the same number of pages as stated above, please contact us immediately.

ATI I.D. 507405

August 7, 1995

El Paso Natural Gas Co.  
P.O. Box 4990  
Farmington, NM 87499

Project Name/Number: AZTEC P/L

Attention: John Lambdin

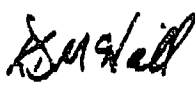
On 07/26/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

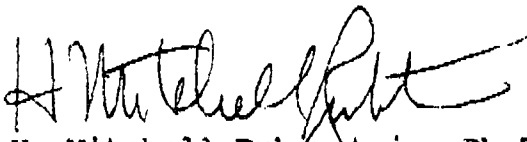
EPA method 8020 and 8015 analyses were performed by Analytical Technologies, Inc., Albuquerque, NM.

All other analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

Sample was diluted for EPA method 8020 due to the presence of late eluting hydrocarbons.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

  
Kimberly D. McNeill  
Project Manager

  
H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 07/26/95  
PROJECT # : (NONE)  
PROJECT NAME : AZTEC P/L REPORT DATE : 08/07/95

ATI ID: 507405

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	950804	NON-AQ	07/21/95

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

# TCLP METALS

Sample ID

950804

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Date Collected: 07/21/95

Client Project ID: Aztec P/L -- 507405

Prep Date: 07/28,31/95

Lab Sample ID: 95-07-189-01

Date Analyzed: 07/31/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	2	1
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

## TCLP METALS

Sample ID

**TCLP Blank**

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Date Collected: N/A

Client Project ID: Aztec P/L -- 507405

Prep Date: 07/28,31/95

Lab Sample ID: RB 95-07-189

Date Analyzed: 07/31/95

Sample Matrix: TCLP Leachate

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	1
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

**TCLP METALS  
MATRIX SPIKE**

Sample ID

**950804**

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-07-189-01

Prep Date: 07/28/95

Sample Matrix: TCLP Leachate

Date Analyzed: 07/31/95

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Arsenic	20	< 0.1	21	105	
Barium	20	2	21	95	
Cadmium	0.50	< 0.05	0.45	90	
Chromium	2.0	< 0.1	1.9	95	
Lead	5.0	< 0.03	5.1	102	
Selenium	20	< 0.05	22	110	
Silver	2.0	< 0.1	2.3	115	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120 %)	Relative % Difference (limits 0-20%)	Flags
Arsenic	21	105	0	
Barium	21	95	0	
Cadmium	0.45	90	0	
Chromium	1.8	90	5	
Lead	5.0	100	2	
Selenium	22	110	0	
Silver	2.3	115	0	



**TCLP METALS  
MATRIX SPIKE**

Sample ID

**In House**

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Lab Sample ID: 95-07-165-01

Prep Date: 07/31/95

Sample Matrix: TCLP Leachate

Date Analyzed: 07/31/95

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Mercury	0.020	< 0.002	0.020	100	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120 %)	Relative % Difference (limits 0-20%)	Flags
Mercury	0.019	95	5	

**IGNITABILITY**  
Method 1010

Lab Name: Analytical Technologies, Inc.

Date Collected: 07/21/95

Client Name: ATI-NM

Date Analyzed: 07/31/95

Client Project ID: Aztec P/L--507405

Sample Matrix: Soil

Lab Workorder Number: 95-07-189

Sample ID	Lab Sample ID	Ignitable At (deg C)	Non-ignitable Below (deg C)
950804	95-07-189-01		96.5

204.5

SURROGATE:  
BROMOFLUOROBENZENE (%) 82

## GAS CHROMATOGRAPHY RESULTS

**REAGENT BLANK**

TEST	: BTEX, MTBE (EPA 8020)	ATI I.D.	: 507405
BLANK I.D.	: 072695	MATRIX	: NON-AQ
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: 07/26/95
PROJECT #	: (NONE)	DATE ANALYZED	: 07/26/95
PROJECT NAME	: AZTEC P/L	DILUTION FACTOR	: 1

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025
METHYL-t-BUTYL ETHER	MG/KG	<0.12

**SURROGATE:**

BROMOFLUOROBENZENE (%) 109

# GAS CHROMATOGRAPHY - QUALITY CONTROL

## MSMSD

TEST : BTEX, MTBE (EPA 8020)  
 MSMSD # : 50740210      ATT I.D. : 507405  
 CLIENT : EL PASO NATURAL GAS CO.      DATE EXTRACTED : 07/26/95  
 PROJECT # : (NONE)      DATE ANALYZED : 07/27/95  
 PROJECT NAME : AZTEC P/L      SAMPLE MATRIX : NON-AQ  
 REF. I.D. : 50740210      UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	1.0	100	1.0	100	0
TOLUENE	<0.025	1.0	1.1	110	1.1	110	0
ETHYLBENZENE	<0.025	1.0	1.1	110	1.1	110	0
TOTAL XYLENES	<0.025	3.0	3.3	110	3.2	107	3
METHYL-t-BUTYL ETHER	<0.12	2.0	1.6	80	1.6	80	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	950804	NON-AQ	07/21/95	07/27/95	07/28/95	10
PARAMETER			UNITS	01		
FUEL HYDROCARBONS			MG/KG	1900		
HYDROCARBON RANGE			C10-C34			
HYDROCARBONS QUANTITATED USING			DIESEL			

**SURROGATE:**

O-TERPHENYL (2)

101

## GAS CHROMATOGRAPHY RESULTS

## REAGENT BLANK

TEST	: EPA 8015 MODIFIED	ATI I.D.	: 507405
BLANK I.D.	: 072795	MATRIX	: NON-AQ
CLIENT	: EL PASO NATURAL GAS CO.	DATE EXTRACTED	: 07/27/95
PROJECT #	: (NONE)	DATE ANALYZED	: 07/27/95
PROJECT NAME	: AZTEC P/L	DILUTION FACTOR	: 1

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<5
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-

**SURROGATE:**

O-TERPHENYL (#) 106

## GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : EPA 8015 MODIFIED

MSMSD # : 072795

ATI I.D. : 507405

CLIENT : EL PASO NATURAL GAS CO.

DATE EXTRACTED : 07/27/95

PROJECT # : (NONE)

DATE ANALYZED : 07/27/95

PROJECT NAME : AZTEC P/L

**SAMPLE MATRIX : NON-AQ**

REF. I.D. : 072795

UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
FUEL HYDROCARBONS	<5	100	100	100	100	100	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



**To:** Patrick Marquez

**Date:** July 31, 1995

**From:** John Lambdin

**Place:** Field Services Laboratory

**Subject: Aztec P/L Sump Excavation Analytical Results**

On July 20, 1995 the Field Services Laboratory collected one (1) soil sample from the referenced excavation/remediation project site. The sample was assigned Field Services laboratory number 950798.

The sample was tested for TPH by EPA 418.1 and Modified 8015 as well as BTEX by EPA Method 8020. Enclosed you will find copies of all analytical results.

Please let me know, if you have any questions.



cc;

Results Log Book  
File

Attachments



## CHAIN OF CUSTODY RECORD

san juan repro Forn



FIELD SERVICES LABORATORY  
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

EPNG LAB ID #:	950798
DATE SAMPLE:	20-Jul-95
TIME SAMPLE (Hrs):	1350
SAMPLED BY:	Richard Benson
LOCATION:	Aztec P/L
SAMPLE POINT:	Sump Excavation
SAMPLE TYPE:	5 - Point Composite

REMARKS: 20' x 20' x 12' Excavation

RESULTS

PARAMETER	RESULT	UNITS				
			DF	Q	M(g)	V(ml)
TPH (418.1)	103	MG/KG	1	None	2.00	28
PERCENT SOLIDS	95	%	N/A	None	5.0	N/A

-- TPH is by EPA Method 418.1 --

Narrative:

All QA/QC was found to be acceptable.

DF = Dilution Factor, Q = Data Qualifier, M(g) = Sample Mass, V (ml) = Extraction volume

Approved By:

Date:

7/21/95

Test Method for  
Oil and Grease and Petroleum Hydrocarbons  
in Water and Soil

Perkin-Elmer Model 1600 FT-IR  
Analysis Report

\*\*\*\*\*

05/07/20 14:53

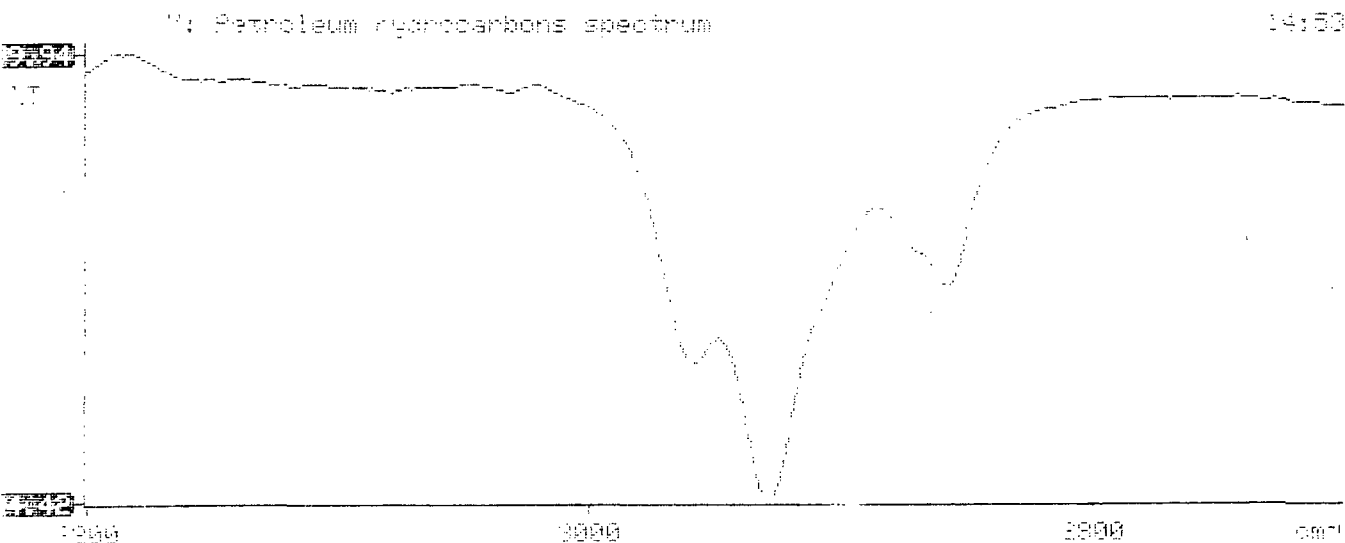
Sample identification  
050798

Initial mass of sample, g  
1.000

Volume of sample after extraction, ml  
3.000

Petroleum hydrocarbons, ppm  
03.319

Net absorbance of hydrocarbons (2930 cm<sup>-1</sup>)  
.013



% solids → 94.8%

light brown sand

**QUALITY CONTROL REPORT**

TI Modified 418.1 by Infrared

1 Aztec Sump Invest.

9 Pit Samples

20 - 21 LD

**Date of Analysis: July 20, 1995**

**LABORATORY CONTROL SAMPLES: CALIBRATION CHECKS**

SAMPLE ID	SOURCE	TRUE VALUE (PPM)	FOUND (MG/KG)	%R	ACCEPTABLE RANGE 75-125 %R YES NO
INITIAL CALIBRATION VERIF. "B" Heavy Oil (Lot M3G9616)	HORIBA	100	99	99	X

Narrative: Acceptable.

**LABORATORY DUPLICATES:**

SAMPLE NUMBER	TYPE	SAMPLE RESULT (S)MG/KG	DUPLICATE RESULT (D)MG/KG	RPD	ACCEPTABLE RANGE + / - 35% YES NO
947033	2nd Extract	112	81	32.49	X

Narrative: Acceptable.

**LABORATORY SPIKES:**

SAMPLE NUMBER	SPIKE ADDED (SA)MG/KG	SAMPLE RESULT (S)MG/KG	SPIKE SAMPLE RESULT (SR)MG/KG	%R	ACCEPTABLE RANGE 75-125 %R YES NO
947033	3220	112	4091	124	X

Narrative: Acceptable.

**REFERENCE SOIL (Laboratory Control Sample):**

SAMPLE ID	SOURCE	KNOWN VALUE (MG/KG)	SAMPLE RESULT FOUND (MG/KG)	MFG SPECIFIED RANGE	ACCEPTABLE YES NO
ERA TPH STANDARD #1 LOT # 91026	ENVIRONMENTAL RESOURCE ASS.	1340	1660	804 - 1680	X
ERA TPH STANDARD #2 LOT # 91026	ENVIRONMENTAL RESOURCE ASS.	2590	3220	1550 - 3240	X

Narrative: Acceptable.

**LABORATORY REAGENT BLANK:**

SAMPLE ID	SOURCE	TPH LEVEL (MG/KG)	STATUS
Freon Solvent	EPNG Lab	<10.0	ACCEPTABLE
Reagent Blank	EPNG Lab	<10.0	ACCEPTABLE

Narrative: Acceptable.

Approved By: *John Fadden*

Date: 21-Jul-95

Extracted: 07/20/95



Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107  
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 507389

July 26, 1995

El Paso Natural Gas Company  
P.O. Box 4990  
Farmington, NM 87499

Project Name/Number: AZTEC SUMP INVESTIGATION

Attention: John Lambdin

On 07/21/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 8015 Modified analyses were added on 7/21/95 for sample 950798 per Kim Kirby.

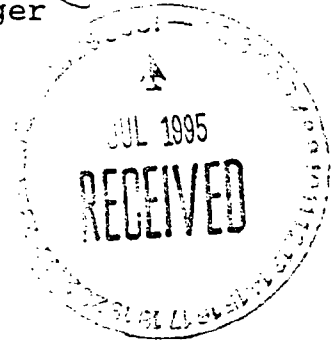
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill  
Project Manager

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:gsm

Enclosure





Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 07/21/95  
PROJECT # : (NONE)  
PROJECT NAME : AZTEC SUMP INVESTIGATION REPORT DATE : 07/28/95

ATI ID: 507389

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	950798	NON-AQ	07/20/95



---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

# GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8015 MODIFIED  
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507389  
 PROJECT # : (NONE)  
 PROJECT NAME : AZTEC SUMP INVESTIGATION

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL FACT
01	950798	NON-AQ	07/20/95	07/21/95	07/23/95	1

PARAMETER	UNITS	01
FUEL HYDROCARBONS	MG/KG	<5
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-

SURROGATE:

O-TERPHENYL (%) 103





## GAS CHROMATOGRAPHY RESULTS

## REAGENT BLANK

TEST : EPA 8015 MODIFIED ATI I.D. : 507389  
BLANK I.D. : 072195 MATRIX : NON-AQ  
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95  
PROJECT # : (NONE) DATE ANALYZED : 07/23/95  
PROJECT NAME : AZTEC SUMP INVESTIGATION DILUTION FACTOR : 1

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/KG	<5
HYDROCARBON RANGE		-
HYDROCARBONS QUANTITATED USING		-

SURROGATE:

O-TERPHENYL (%)

128

  
7/21/95

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : EPA 8015 MODIFIED  
 MSMSD # : 50738610 ATI I.D. : 507389  
 CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95  
 PROJECT # : (NONE) DATE ANALYZED : 07/23/95  
 PROJECT NAME : AZTEC SUMP INVESTIGATION SAMPLE MATRIX : NON-AQ  
 REF. I.D. : 50738610 UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
FUEL HYDROCARBONS	<5	100	100	100	110	110	10

*Handwritten signature*  
 7/31/95

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

## GAS CHROMATOGRAPHY RESULTS

TEST : BTEX, MTBE (EPA 8020)  
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507389  
PROJECT # : (NONE)  
PROJECT NAME : AZTEC SUMP INVESTIGATION

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTC
01	950798	NON-AQ	07/20/95	07/21/95	07/22/95	1

PARAMETER	UNITS	01
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025
METHYL-t-BUTYL ETHER	MG/KG	<0.12

## SURROGATE:

BROMOFLUOROBENZENE (%)

93



GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST : BTEX, MTBE (EPA 8020) ATI I.D. : 507389  
BLANK I.D. : 072195 MATRIX : NON-AQ  
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95  
PROJECT # : (NONE) DATE ANALYZED : 07/21/95  
PROJECT NAME : AZTEC SUMP INVESTIGATION DILUTION FACTOR : 1

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025
METHYL-t-BUTYL ETHER	MG/KG	<0.12

SURROGATE:

BROMOFLUOROBENZENE (%) 112

JS  
7/21/95



## GAS CHROMATOGRAPHY - QUALITY CONTROL

## MSMSD

TEST : BTEX, MTBE (EPA 8020)  
MSMSD # : 50738604 ATI I.D. : 507389  
CLIENT : EL PASO NATURAL GAS CO. DATE EXTRACTED : 07/21/95  
PROJECT # : (NONE) DATE ANALYZED : 07/23/95  
PROJECT NAME : AZTEC SUMP INVESTIGATION SAMPLE MATRIX : NON-AQ  
REF. I.D. : 50738604 UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	1.1	110	1.1	110	0
TOLUENE	<0.025	1.0	1.2	120	1.2	120	0
METHYLBENZENE	<0.025	1.0	1.1	110	1.1	110	
TOTAL XYLENES	<0.025	3.0	3.4	113	3.4	113	0
METHYL-t-BUTYL ETHER	<0.12	2.0	1.9	95	2.2	110	15

38  
7/21/95

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

# FAX

TRANSMITTAL



## EL PASO NATURAL GAS COMPANY

is a major open-access transporter of natural gas serving West Texas, New Mexico, Arizona, southern Nevada and California. California receives more than half of its gas from El Paso's 17,500-mile pipeline system, which is connected to every major producing basin in the Southwest. El Paso's customer-friendly electronic bulletin board, Passport, offers state-of-the-art programs beneficial to producers, buyers, marketers, end-users and other pipelines.

TO	NAME OF RECIPIENT <i>Sierra Environmental</i>		PAGE(S) TRANSMITTED <i>11 + Cover</i>	DATE <i>9/7/95</i>
	NAME OF COMPANY			CITY/STATE
	ADDRESS			TELEPHONE NUMBER
	FAX NUMBER (REQUIRED) <i>334 9024</i>			
FROM	NAME OF SENDER <i>Patrick Marquez</i>		NAME OF COMPANY <input type="checkbox"/> EL PASO NATURAL GAS <input type="checkbox"/> OTHER	
	ADDRESS <i>5992175</i>		CITY/STATE <i>11</i>	
REMARKS	<input type="checkbox"/> RETURN <input type="checkbox"/> DO NOT RETURN <i>Phil/Larry - here is the remaining analysis required for Agate Pipeline District Sump Investigation - I will fax the HMOCD Approval to you upon receipt - Contractor will most likely deliver tomorrow.</i>		REPLY	FAX NUMBER: ( ) VERIFY NUMBER: ( )
				<i>Thank you -</i>



Analytical **Technologies, Inc.**

2709-D Pan American Freeway, NE Albuquerque, NM 87107  
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 508401

September 1, 1995

El Paso Natural Gas  
P.O. Box 4990  
Farmington, NM 87499

Project Name/Number: AZTEC P/L 53827 *Demo Soil File*

Attention: John Lambdin

On 08/17/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill  
Project Manager

H. Mitchell Rubenstein, Ph.D.  
Laboratory Manager

MR:jt

Enclosure



Analytical Technologies, Inc.

CLIENT : EL PASO NATURAL GAS      DATE RECEIVED : 08/17/95  
PROJECT # : 53827  
PROJECT NAME : AZTEC P/L      REPORT DATE : 09/01/95

ATI ID: 508401

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	950857 Demo Soil	NON-AQ	08/16/95

Pile

---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.





Analytical Technologies, Inc.

## TCLP VOLATILE ORGANICS

Modified Method 8240

Sample ID

950857

*Aztec P/L*  
*Domo*  
*Soil Pile*

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: 95-08-169-01

Date Collected: 08/16/95

Date Extracted: 08/22/95

Date Analyzed: 08/24/95

Sample Matrix: TCLP Leachate

Sample Volume: 0.5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	ND	0.1
D028	1,2-Dichloroethane	107-06-2	ND	0.1
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	98	86 - 118
Toluene-d8	103	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected



Analytical Technologies, Inc.

# TCLP SEMIVOLATILE ORGANICS

Method 8270

Sample ID

950857

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L - 508401

Lab Sample ID: 95-08-169-01

Date Collected: 08-16-95

Date Extracted: 08-22-95

Date Analyzed: 08-25-95

Sample Matrix: TCLP Leachate

Sample Volume: 100 mL

Cleanup: None

Final Volume: 1 mL

*Aztec P/L  
Demo  
Soil Pile*

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o,m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ND	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichlorophenol	88-06-2	ND	0.1

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	23	21-110
Phenol-d5	34	10-110
Nitrobenzene-d5	60	35-114
2-Fluorobiphenyl	50	43-116
2,4,6-Tribromophenol	40	10-123
Terphenyl-d14	66	33-141

ND = Not detected



Analytical Technologies, Inc.

## TCLP SEMIVOLATILE ORGANICS MATRIX SPIKE

Method 8270

Sample ID

950857

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L -- 508401

Lab Sample ID.: 95-08-169-01

Date Collected: 08-16-95

Date Extracted: 08-22-95

Date Analyzed: 08-25-95

Sample Matrix: TCLP Leachate

Sample Volume: 100 mL

Cleanup: None

Final Volume: 1 mL

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS % Rec	QC Limit Recovery
Pyridine	0.50	ND	0.144	29	D - 104
1,4-Dichlorobenzene	0.50	ND	0.199	40	D - 99
2-Methylphenol	1.00	ND	0.371	37	D - 134
3 and 4-Methylphenol	2.00	ND	1.08	54	D - 112
Hexachloroethane	0.50	ND	0.197	39	D - 110
Nitrobenzene	0.50	ND	0.271	54	10 - 121
Hexachlorobutadiene	0.50	ND	0.172	34	D - 98
2,4,6-Trichlorophenol	1.00	ND	0.370	37	D - 106
2,4,5-Trichlorophenol	1.00	ND	0.530	53	D - 114
2,4-Dinitrotoluene	0.50	ND	0.258	52	D - 117
Hexachlorobenzene	0.50	ND	0.272	54	1 - 112
Pentachlorophenol	1.00	ND	0.618	62	D - 123

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	35	21-110
Phenol-d5	46	10-110
Nitrobenzene-d5	60	35-114
2-Fluorobiphenyl	53	43-116
2,4,6-Tribromophenol	45	10-123
Terphenyl-d14	69	33-141

ND = Not detected

Aztec P/L  
Demo  
Soil Ale



Analytical Technologies, Inc.

## TCLP VOLATILE ORGANICS

Modified Method 8240

Sample ID

TCLP

Reagent Blank

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: TCLPRB1 08/22/95

Date Collected: N/A

Date Extracted: 08/22/95

Date Analyzed: 08/24/95

Sample Matrix: TCLP Leachate

Sample Volume: 0.5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.1
D029	1,1-Dichloroethylene	75-35-4	ND	0.1
D022	Chloroform	67-66-3	ND	0.1
D028	1,2-Dichloroethane	107-06-2	ND	0.1
D035	Methyl ethyl ketone	78-93-3	ND	0.1
D019	Carbon tetrachloride	56-23-5	ND	0.1
D040	Trichloroethylene	79-01-6	ND	0.1
D018	Benzene	71-43-2	ND	0.1
D039	Tetrachloroethylene	127-18-4	ND	0.1
D021	Chlorobenzene	108-90-7	ND	0.1

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	91	86 - 118
Toluene-d8	102	88 - 110
Bromofluorobenzene	98	86 - 115

ND = Not Detected

J  
9-7-95



## TCLP VOLATILE ORGANICS

Modified Method 8240

Sample ID

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: WRBI 08/24/95

Reagent Blank

Date Collected: N/A

Date Extracted: N/A

Date Analyzed: 08/24/95

Sample Matrix: Water

Sample Volume: 5 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D043	Vinyl chloride	75-01-4	ND	0.01
D029	1,1-Dichloroethylene	75-35-4	ND	0.01
D022	Chloroform	67-66-3	ND	0.01
D028	1,2-Dichloroethane	107-06-2	ND	0.01
D035	Methyl ethyl ketone	78-93-3	ND	0.01
D019	Carbon tetrachloride	56-23-5	ND	0.01
D040	Trichloroethylene	79-01-6	ND	0.01
D018	Benzene	71-43-2	ND	0.01
D039	Tetrachloroethylene	127-18-4	ND	0.01
D021	Chlorobenzene	108-90-7	ND	0.01

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	89	86 - 118
Toluene-d8	102	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

0.2-0.5



Analytical Technologies, Inc.

## TCLP VOLATILE MATRIX SPIKE RECOVERY

Modified Method 8240

Lab Name: Analytical Technologies, Inc.

Client Name: ATI-NM

Client Project ID: Aztec P/L -- 508401

Lab Sample ID: 95-08-126-03

Sample ID

In House

Date Collected: 08/15/95

Date Extracted: 08/22/95

Date Analyzed: 08/24/95

Sample Matrix: TCLP Leachate

Sample Volume: 0.5 mL

Analyte	Spike Added (mg/L)	Sample Concentration (mg/L)	MS Concentration (mg/L)	MS % Rec	QC Limit Recovery
Vinyl chloride	0.500	ND	0.330	66	49 - 132
1,1-Dichloroethylene	0.500	ND	0.466	93	65 - 126
Chloroform	0.500	ND	0.484	97	68 - 123
1,2-Dichloroethane	0.500	ND	0.497	99	61 - 122
Methyl ethyl ketone	0.500	ND	0.544	109	26 - 156
Carbon tetrachloride	0.500	ND	0.459	92	80 - 113
Trichloroethylene	0.500	ND	0.477	95	81 - 108
Benzene	0.500	ND	0.493	99	60 - 129
Tetrachloroethylene	0.500	ND	0.469	94	75 - 116
Chlorobenzene	0.500	ND	0.488	98	81 - 107

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
Dibromofluoromethane	103	86 - 118
Toluene-d8	102	88 - 110
Bromofluorobenzene	99	86 - 115

ND = Not Detected

JP  
9-7-95



Analytical Technologies, Inc.

# TCLP SEMIVOLATILE ORGANICS

Method 8270

Sample ID

**TCLP Blank**

Lab Name: Analytical Technologies, Inc.

Client Name: ATI - NM

Client Project: Aztec P/L -- 508401

Lab Sample ID.: RB1 08-22-95

Date Collected: N/A

Date Extracted: 08-22-95

Date Analyzed: 08-25-95

Sample Matrix: TCLP Leachate

Cleanup: None

Sample Volume: 100 mL

Final Volume: 1 mL

EPA HW Number	Analyte	CAS Number	Result (mg/L)	Detection Limit (mg/L)
D023	o-Cresol	95-48-7	ND	0.1
D024	m-Cresol	108-39-4	ND	0.1
D025	p-Cresol	106-44-5	ND	0.1
D026	Total o,m,p-Cresol		ND	0.1
D027	1,4-Dichlorobenzene	106-46-7	ND	0.1
D030	2,4-Dinitrotoluene	121-14-2	ND	0.1
D032	Hexachlorobenzene	118-74-1	ND	0.1
D033	Hexachlorobutadiene	87-68-3	ND	0.1
D034	Hexachloroethane	67-72-1	ND	0.1
D036	Nitrobenzene	98-95-3	ND	0.1
D037	Pentachlorophenol	87-86-5	ND	0.5
D038	Pyridine	110-86-1	ND	0.1
D041	2,4,5-Trichlorophenol	95-95-4	ND	0.5
D042	2,4,6-Trichlorophenol	88-06-2	ND	0.1

## SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	76	21-110
Phenol-d5	87	10-110
Nitrobenzene-d5	85	35-114
2-Fluorobiphenyl	70	43-116
2,4,6-Tribromophenol	79	10-123
Terphenyl-d14	96	33-141

ND = Not detected

*Handwritten signature and date: 8/27/95*





[illegible]

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO	FELINQUISHED BY: 1.		FELINQUISHED BY: 2.	
PROJECT NUMBER: 508401	TOTAL NUMBER OF CONTAINERS: 1	CHAIN OF CUSTODY SEALS: 1	INTACT?: 1		SAN DIEGO	Signature: Andrew Parker	Time: 1730	Signature: [Signature]
PROJECT NAME: Aztec P/L	RECEIVED GOOD COND. (Circled)	RECEIVED GOOD COND. (Circled)	LAB NUMBER: Y	FT. COLLINS	Printed Name: Andrew Parker	Date: 8/17	Printed Name: [Name]	Date: [Date]
QC LEVEL: STD. IV				PENSACOLA	Analytical Technologies, Inc.		Company: Fedex	
QC REQUIRED: MS MSD BLANK				PORTLAND	Albuquerque			
TAT: STANDARD RUSH				PHOENIX	RECEIVED BY: (LAB) 1.		RECEIVED BY: (LAB) 2.	
				FIBERQUANT	Signature: [Signature]	Time: [Time]	Signature: [Signature]	Time: [Time]
DUE DATE: 8/29					Printed Name: [Name]	Date: [Date]	Printed Name: [Name]	Date: [Date]
RUSH SURCHARGE: [Blank]					Company: Fedex		Company: ARTCO	
CLIENT DISCOUNT: 15 %								

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> D. Foust 8/1/95 (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter CR&M	
2. Destination Tierra Crouch Mesa Landfarm	5. Generator Basin Disposal	
3. Address of Facility Operator 907 West Apache, Farmington, N.M. 87401	6. Name of Originating Site Basin Disposal	
7. Originating Location of Material (Street Address or ULSTR) # 6 County Road 5046 Bloomfield, N.M. 87413	8. State New Mexico	

9. Check One
- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; or 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 Environment Department 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 transpo

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Solids produced as a result of disposal operations

RECEIVED  
AUG - 2 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 140 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the haul): \_\_\_\_\_

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

SIGNATURE Phillip C. Nobis TITLE CEO DATE 8/1/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 8/7/95

APPROVED BY Gene Busch TITLE " DATE "

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.)

Basin Disposal Section 3 Township 29N, Range 11 West

Unit E

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: Solids from disposal 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 COLLIN HART  
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

Collin D Hart

Title

Manager

Address P.O. Box 100 AZEL, NM 87410

Date

8-1-95

## REQUEST FOR APPROVAL

PT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST

2. Destination  
**Tierra Environmental Corp. Crouch Mesa Landfarm**

3. Address of Facility Operator  
**420 CR. 3100 AZTEC, NM 87410**

7. Location of Material (Street Address or ULSTR)  
**SAME AS ABOVE CELL 10**

4. Generator  
**SMITH ENERGY CORP.**  
CLEANUP DIVISION  
**ALLIED PRODUCTS CORP.**

5. Name of Originating Site  
**SMITH ENERGY YARD**

6. Name of Transporter  
**CIMMERON OIL FLD.  
SERVICE**

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

**ACCUMULATED SOILS FROM VEHICLE WASHDOWN of OILFIELD VEHICLES.**

RECEIVED  
AUG 30 1995

RECEIVED  
SEP - 6 1995

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>

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

SIGNATURE Phillip C. Nobis TITLE PRESIDENT DATE 08/30/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Ecologist DATE 8/30/95

APPROVED BY Disustin TITLE Ecologist DATE 9-1-95

CONDITIONS OF APPROVAL, IF ANY: SF 8/30/95 Material accumulated after original  
Smith International cleanup and abandonment  
yard with purchase by West firm.

REQUEST FOR APPROVAL	ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <small>(Submitting this form for oilfield exempt waste is optional)</small> DENNY FOUST	4. Generator <b>SMITH ENERGY CORP.</b> CLEAN UP BY: <b>ALLIED PRODUCTS CORP.</b>	
2. Destination <b>Tierra Environmental Corp. Crouch Mesa Landfarm</b>	5. Name of Originating Site <b>SMITH ENERGY YARD</b>	
3. Address of Facility Operator <b>420 CR. 3100 AZTEC, NM 87410</b>	6. Name of Transporter <b>CIMMERON OIL FLD. SERVICE</b>	
7. Location of Material (Street Address or ULSTR) <b>SAME AS ABOVE CELL 10</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-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: _____		

BRIEF DESCRIPTION OF THE MATERIAL:

**ACCUMULATED SOILS FROM VEHICLE WASHDOWN of OILFIELD VEHICLES.**

**RECEIVED**  
 AUG 30 1995  
**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>

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

SIGNATURE *Phillip C. Nobis* TITLE PRESIDENT DATE 08/30/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE Geologist DATE 8/30/95

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

CONDITIONS OF APPROVAL, IF ANY:

*Santa Fe 8/30/95 material accumulated after original cleanup by Smith International and abandoning yard-western purchase*



TIERRA  
ENVIRONMENTAL CORPORATION

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

CERTIFICATE OF WASTE STATUS  
NON-EXEMPT RCRA WASTE

Originating

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

PRIOR SMITH ENERGY YARD  
2198 BLOOMFIELD HIGHWAY - FARMINGTON - NM  
SE/4 SW/4 SEC 14 T29N R13W

Source: APPROXIMATELY 20 cubic Yard stockpile  
OF SOIL ACCUMULATED FROM WASHDOWN OF  
OILFIELD SERVICE VEHICLES

I BARRY A. WIELAND (BRAX, INC.) representative  
for ALLIED PRODUCTS CORPORATION

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

- ☒ MSDS Information  
☒ RCRA TCLP Analysis  
☒ RCRA Metals  
☒ Corrosivity, Ignitability, Reactivity  
☐ Letter from Out of State Regulatory Agency

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

Signature

Barry A. Wieland

Title

PRESIDENT

Date

30 Aug 95



# TIERRA ENVIRONMENTAL CORPORATION

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

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

### Originating

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

PRIOR SMITH ENERGY YARD

2198 BLOOMFIELD HIGHWAY - FARMINGTON - NM

SE/4 SW/4 SEC 14 T29N R13W

Source: APPROXIMATELY 8 Barrels of sludge material  
STORED IN A 15 Barrel STEEL DRUM.

I BARRY A. WIELAND (BRAX, INC.) representative  
for ALLIED PRODUCTS CORPORATION

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

☒ MSDS Information

☒ RCRA TCLP Analysis

☒ RCRA Metals

☒ Corrosivity, Ignitability, Reactivity

☐ Letter from Out of State Regulatory Agency

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

Signature Barry A. Wieland

Title PRESIDENT

Date 30 Aug 95

# ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 14, 1995

Mr. Jeff Blagg  
Blagg Engineering, Inc.  
217 N 1st  
Bloomfield, New Mexico 87413

Dear Jeff,

Enclosed are the analytical results for the samples collected from a steel tank and a stock pile from a location denoted as BRAX-Smith Energy. One solid sample and one soil sample were collected by Blagg Engineering personnel from a Steel Tank and a Stockpile on August 3, 1995, and delivered to the Envirotech laboratory on August 3, 1995 for Hazardous Waste Characterization analysis.

The samples were documented on Envirotech Chain of Custody No. 4318 and assigned Laboratory Nos. 8767 (Steel Tank) and 8768 (Stockpile) for tracking purposes.

Results of the analysis indicate that the material from the Steel Tank and the material from the Stockpile are not characteristic hazardous wastes as defined by 40 CFR, Section 261, Subpart C. These materials would therefore be acceptable for disposal at the Envirotech Soil Remediation Facility (ESRF) located at Hilltop, New Mexico. Should you require disposal of these materials at the ESRF, please contact Mr. Rob Young or Mr. Harlan Brown at Envirotech for documentation requirements and price information.

Should you have any questions or require additional information, please do not hesitate to contact the office at (505) 632-0615, or myself directly at (708) 942-0804. It has been our pleasure serving you and we look forward to doing business with you again soon.

Respectfully submitted,  
Envirotech, Inc.

  
Stacy W. Sandler

enc.

04034-01/tclp895.ltr



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-08-95
Lab ID#:	8767	Date Sampled:	08-03-95
Sample Matrix:	Solid	Date Received:	08-03-95
Preservative:	Cool	Date Analyzed:	08-04-95
Condition:	Cool & Intact	Chain of Custody:	4318

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

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

**CORROSIVITY:** pH of 5.17

**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.

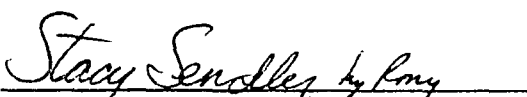
**CORROSIVITY:** pH < 2 or pH > 12.5 indicates hazardous waste status.

**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:** BRAX, Smith Energy.

  
Analyst

  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-07-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0223	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

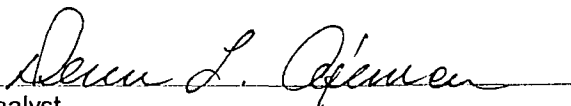
ND - Parameter not detected at the stated detection limit.

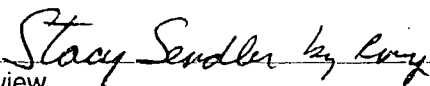
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	102%

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

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

Comments: **Brax, Smith Energy.**

  
Analyst

  
Review

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-09-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	98%

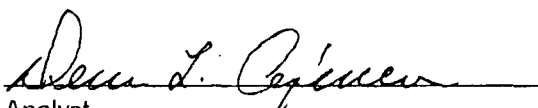
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

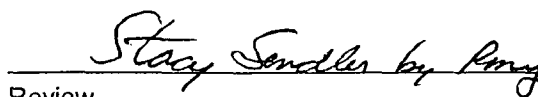
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: **Brax, Smith Energy.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-09-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-08-95
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

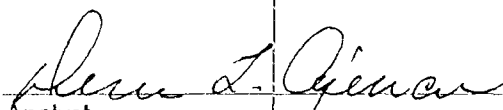
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	104%

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: **Brax, Smith Energy.**

  
Analyst

  
Review

# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Steel Tank	Date Reported:	08-11-95
Laboratory Number:	8767	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Solid	Date Analyzed:	08-10-95
Preservative:	Cool	Date Extracted:	08-03-95
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	0.10	0.01	100
Cadmium	ND	0.001	1.00
Chromium	ND	0.001	5.00
Lead	ND	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

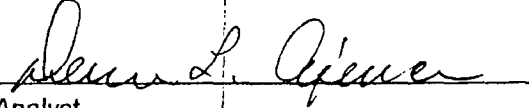
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

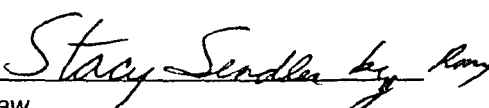
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

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

Comments: **Brax, Smith Energy.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-08-95
Lab ID#:	8768	Date Sampled:	08-03-95
Sample Matrix:	Soil	Date Received:	08-03-95
Preservative:	Cool	Date Analyzed:	08-04-95
Condition:	Cool & Intact	Chain of Custody:	4318

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

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

CORROSIVITY:	pH of 7.87
--------------	------------

REACTIVITY:	Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).
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### RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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IGNITABILITY:	Sample Ignition upon direct contact with flame indicates hazardous waste status.
---------------	--

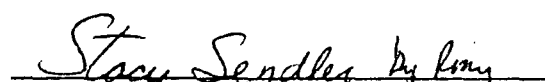
CORROSIVITY:	pH < 2 or pH > 12.5 indicates hazardous waste status.
--------------	---

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.
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Comments:	BRAX, Smith Energy.
-----------	---------------------

  
Analyst

  
Review

250

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020  
AROMATIC / HALOGENATED  
VOLATILE ORGANICS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-07-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

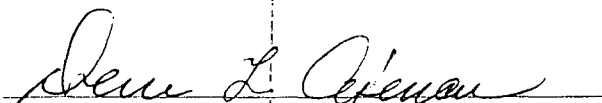
ND - Parameter not detected at the stated detection limit.

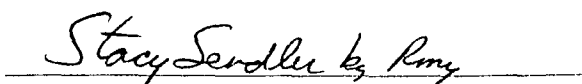
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	92%

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: **Brax, Smith Energy.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-09-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	96%

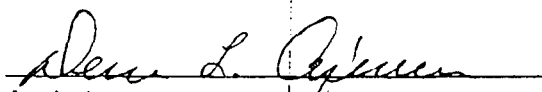
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

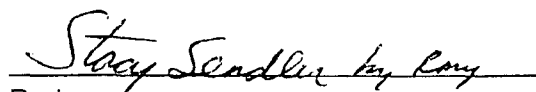
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

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

Comments: **Brax, Smith Energy.**

  
Analyst

  
Review



# ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-09-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-08-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

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

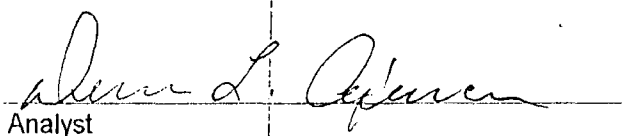
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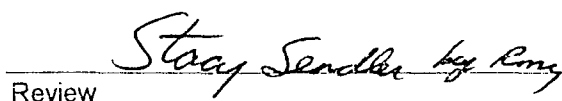
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

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: **Brax, Smith Energy.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Blagg Engineering, Inc.	Project #:	04034-01
Sample ID:	Stock Pile	Date Reported:	08-11-95
Laboratory Number:	8768	Date Sampled:	08-03-95
Chain of Custody:	4318	Date Received:	08-03-95
Sample Matrix:	Soil	Date Analyzed:	08-10-95
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	2.48	0.01	100
Cadmium	0.634	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.024	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

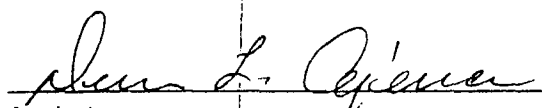
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

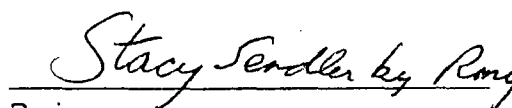
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

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

Comments: **Brax, Smith Energy.**

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.006	0.006	0.0%
Barium	4.61	4.70	1.9%
Cadmium	0.084	0.082	2.4%
Chromium	ND	ND	0.0%
Lead	0.035	0.036	2.8%
Mercury	ND	ND	0.0%
Selenium	0.005	0.005	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

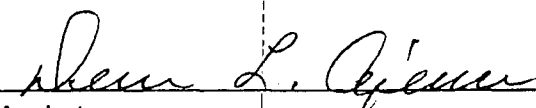
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

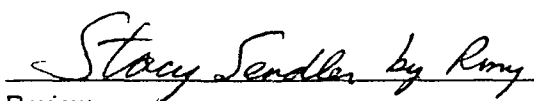
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 8767 - 8769.

  
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# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.006	0.106	100%
Barium	1.00	4.61	5.51	98%
Cadmium	0.100	0.084	0.184	100%
Chromium	0.100	ND	0.099	99%
Lead	0.100	0.035	0.135	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	0.005	0.105	100%
Silver	1.0	ND	1.0	100%

ND - Parameter not detected at the stated detection limit.

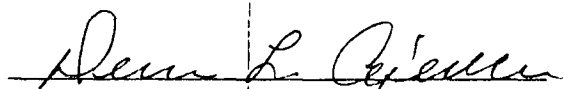
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

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

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

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: **QA/QC for samples 8767 - 8769.**

  
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# **ENVIROTECH LABS**

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

# ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

## Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-95
Laboratory Number:	08-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-09-95
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	94 %

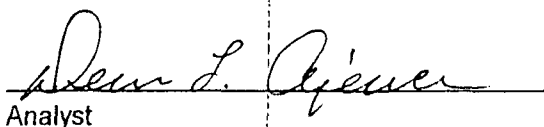
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

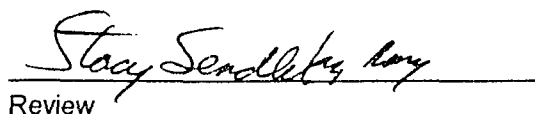
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: QA/QC for samples 8767 - 8769.

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-09-95
Laboratory Number:	08-03-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	105%

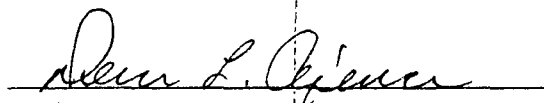
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

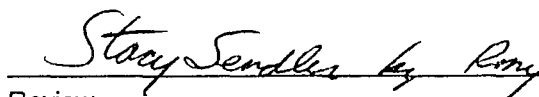
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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: QA/QC for samples 8767 - 8769.

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

## Quality Assurance Report Matrix Duplicate

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-09-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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


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


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

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

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

Comments: QA/QC for samples 8767 - 8769.

  
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# **ENVIROTECH LABS**

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-95
Laboratory Number:	08-08-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	08-08-95
		Analysis Requested:	TCLP

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

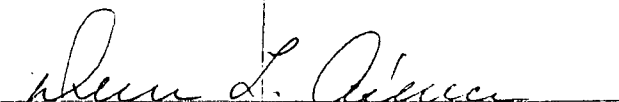
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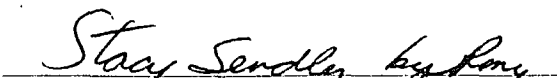
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

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

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

Comments: QA/QC for samples 8767 - 8769.

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-09-95
Laboratory Number:	08-03-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool and Intact	Date Analyzed:	08-08-95
		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

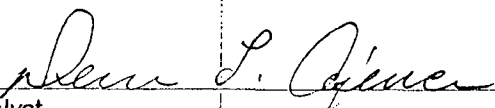
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	102%

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

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

Comments: QA/QC for samples 8767 - 8769.

  
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# ENVIROTECH LABS

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

## EPA Method 8090

### Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-08-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	08-03-95
Condition:	N/A	Date Analyzed:	08-08-95
		Analysis Requested:	TCLP

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

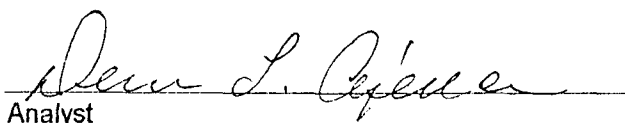
ND - Parameter not detected at the stated detection limit.

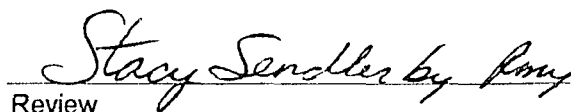
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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

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

Comments: QA/QC for samples 8767 - 8769.

  
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# **ENVIROTECH LABS**

**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

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

# ENVIROTECH LABS

Practical Solutions for a Better Tomorrow

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-07-95
Laboratory Number:	08-07-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

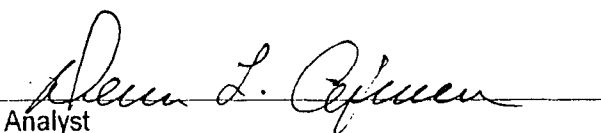
ND - Parameter not detected at the stated detection limit.

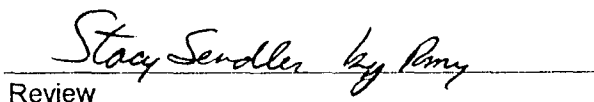
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	99%

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 8767 - 8769.

  
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-07-95
Laboratory Number:	08-03-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

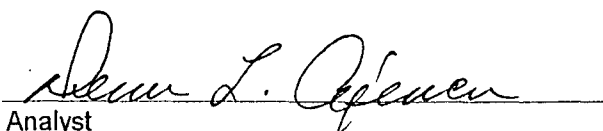
ND - Parameter not detected at the stated detection limit.

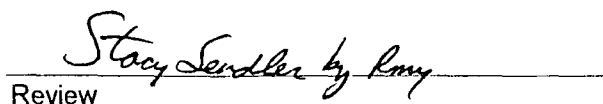
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	103%
	Bromofluorobenzene	100%

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

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

Comments: QA/QC for samples 8767 - 8769.

  
Analyst

  
Review



# ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

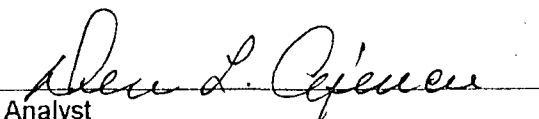
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-07-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0009	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0005	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for samples 8767 - 8769.

  
Analyst

  
Review

Client: QA/QC  
Sample ID: Matrix Spike  
Laboratory Number: 8769  
Sample Matrix: Soil  
Analysis Requested: TCLP  
Condition: N/A

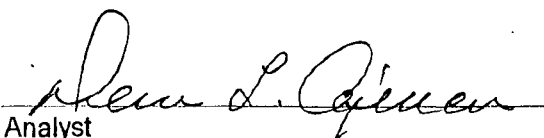
Project #: N/A  
Date Reported: 08-07-95  
Date Sampled: N/A  
Date Received: N/A  
Date Analyzed: 08-07-95  
Date Extracted: 08-03-95

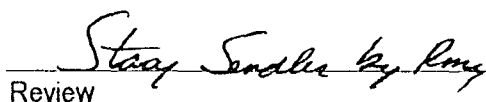
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0199	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0203	0.0002	101%	43-143
2-Butanone (MEK)	ND	0.020	0.0198	0.0001	93%	47-132
Chloroform	ND	0.020	0.0198	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0203	0.0001	102%	43-143
Benzene	ND	0.020	0.0205	0.0001	102%	39-150
1,2-Dichloroethane	ND	0.020	0.0205	0.0001	102%	51-147
Trichloroethene	ND	0.020	0.0202	0.0001	98%	35-146
Tetrachloroethene	ND	0.020	0.0208	0.0009	102%	26-162
Chlorobenzene	ND	0.020	0.0210	0.0001	105%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0198	0.0005	97%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for samples 8767 - 8769.

  
Analyst

  
Review

## CHAIN OF CUSTODY RECORD

Client/Project Name <b>BRAX</b> <b>BLAGG ENGINEERING, INC.</b>			Project Location <b>SMITH ENERGY</b>		ANALYSIS/PARAMETERS															
Sampler: (Signature) <i>J.C. Blagg</i>			Chain of Custody Tape No. <b>04034-01</b>		No. of Containers	TCLP X	(NO PEST) (NO HERB)						Remarks							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																
STEEL TANK	8-3-95	0820	8767	Solid	1	X														
STOCK PILE	8-3-95	0831	8768	Soil	1	X														
Relinquished by: (Signature) <i>J.C. Blagg</i>			Date 8-3-95	Time 0853	Received by: (Signature) <i>Shawn L. Caplan</i>			Date 8-3-95	Time 0853											
Relinquished by: (Signature)					Received by: (Signature)				Time											
Relinquished by: (Signature)					Received by: (Signature)				Time											

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

## REQUEST FOR APPROVAL

## ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☒ Non-Exempt: ☐  
Verbal Approval Received: Yes ☒ No ☐  
(Submitting this form for oilfield exempt waste is optional) DENNY FOUST

4. Generator

EL PASO NATURAL GAS

2. Destination  
Tierra Crouch Mesa Landfarm

5. Name of Originating Site

See Attached List

3. Address of Facility Operator  
907 West Apache, Farmington, New Mexico 87401

6. Name of Transporter

Doug Foutz Construction

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-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: \_\_\_\_\_

## BRIEF DESCRIPTION OF THE MATERIAL:

Various dehydrator and drip pits at closure sites closed during  
July 1995

RECEIVED  
AUG - 9 1995

OIL CON. DIV.  
DIST. 3

Estimated Volume 835 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 Phillip C. Nobis TITLE PRESIDENT DATE \_\_\_\_\_TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 325-0924

(This space for State Use)

APPROVED BY Denny G. Foutz TITLE Geologist DATE 8/09/95APPROVED BY Ernie Busch TITLE " DATE "

CONDITIONS OF APPROVAL, IF ANY:

Need EPNG Listing - Done

EL PASO JULY 1995

<u>DATE</u>	<u>LOCATION</u>	<u>METER</u>	<u>CONT</u>	<u>FILL</u>	<u>CELL</u>
7/6/95	HUGHES B #2A	90006	40.00	80.00	9
7/6/95	HUGHES #3	90797	0.00	10.00	
7/6/95	BOWLING HARDY #1	75720	0.00	10.00	
7/7/95	MAE GAIL COM #1	73079	30.00	30.00	9
7/10/95	HANLEY B #1mv	90378	230.00	230.00	9
7/14/95	STATE COM A #1A	89725	0.00	20.00	
7/17/95	CANYON LARGO UNIT 261	89137	0.00	30.00	
7/18/95	ONA McGEE #1	73003	30.00	40.00	9
7/18/95	SIMMONS E 3R	93892	0.00	10.00	
7/25/95	SAN JUAN 29-5 #31-29	72579	0.00	50.00	
7/25/95	SAN JUAN 29-5 #77	89655	0.00	20.00	
7/26/95	SAN JUAN 29-6 #61A	89571	140.00	150.00	9
7/26/95	SAN JUAN 29-6 #73A	89573	0.00	30.00	
7/27/95	SAN JUAN 29-6 #58A	89577	165.00	185.00	9
7/31/95	SAN JUAN 29-6 #65A	89572	180.00	200.00	9
7/31/95	LAT A-30 LINE DRIP	NA005	20.00	20.00	9
7/31/95	HUERFANTO #10	71095	0.00	10.00	
7/31/95	TRIBAL 390 #2	87148	0.00	10.00	

SUM: SUM:  
835.00 1,135.00

## EL PASO NG PIT PROJECT JULY 1995

JOB # 94022

DATE	T/NUM	METER	LOCATION NAME	CARRIER	TRK #	CONT.	FILL	CELI
7/6/95	9622	90006	HUGHES B #2A	FOUTZ	934	10.00	20.00	9
7/6/95	9624	90006	HUGHES B #2A	FOUTZ	835	10.00	20.00	9
7/6/95	9625	90006	HUGHES B #2A	FOUTZ	132	10.00	20.00	9
7/6/95	9626	90006	HUGHES B #2A	FOUTZ	432	10.00	20.00	9
7/6/95	9627	90797	HUGHES #3	FOUTZ	835	0.00	10.00	
7/6/95	9628	90378	HANLEY B #1mv	FOUTZ	933	20.00	20.00	9
7/6/95	9629	75720	BOWLING HARDY #1	FOUTZ	132	0.00	10.00	
7/6/95	9630	90378	HANLEY B #1mv	FOUTZ	835	20.00	10.00	9
7/6/95	9631	90378	HANLEY B #1mv	FOUTZ	132	<u>20.00</u>	<u>10.00</u>	9
						100.00	140.00	
7/7/95	9632	90378	HANLEY B #1mv	FOUTZ	432	40.00	50.00	9
7/7/95	9633	73079	MAE GAIL COM #1	FOUTZ	933	10.00	10.00	9
7/7/95	9634	90378	HANLEY B #1mv	FOUTZ	409	30.00	30.00	9
7/7/95	9635	90378	HANLEY B #1mv	FOUTZ	933	30.00	40.00	9
7/7/95	9636	73079	MAE GAIL COM #1	FOUTZ	432	<u>20.00</u>	<u>20.00</u>	9
						130.00	150.00	
7/10/95	9637	90378	HANLEY B #1mv	FOUTZ	934	30.00	30.00	9
7/10/95	9638	90378	HANLEY B #1mv	FOUTZ	132	20.00	20.00	9
7/10/95	9639	90378	HANLEY B #1mv	FOUTZ	933	<u>20.00</u>	<u>20.00</u>	9
						70.00	70.00	
7/14/95	9640	89725	STATE COM A #1A	FOUTZ	933	0.00	10.00	
7/14/95	9641	89725	STATE COM A #1A	FOUTZ	432	<u>0.00</u>	<u>10.00</u>	
						0.00	20.00	
7/17/95	9642	89137	CANYON LARGO UNIT 261	FOUTZ	131	0.00	10.00	
7/17/95	9643	89137	CANYON LARGO UNIT 261	FOUTZ	831	0.00	10.00	
7/17/95	9644	89137	CANYON LARGO UNIT 261	FOUTZ	432	<u>0.00</u>	<u>10.00</u>	
						0.00	30.00	
7/18/95	9645	73003	ONA McGEE #1	FOUTZ	934	20.00	30.00	9
7/18/95	9646	73003	ONA McGEE #1	FOUTZ	131	10.00	10.00	9
7/18/95	9647	93892	SIMMONS E 3R	FOUTZ	934	<u>0.00</u>	<u>10.00</u>	
						30.00	50.00	
7/25/95	9648	72579	SAN JUAN 29-5 #31-29	FOUTZ	934	0.00	10.00	
7/25/95	9649	72579	SAN JUAN 29-5 #31-29	FOUTZ	132	0.00	20.00	
7/25/95	9651	72579	SAN JUAN 29-5 #31-29	FOUTZ	131	0.00	20.00	
7/25/95	9652	89655	SAN JUAN 29-5 #77	FOUTZ	835	0.00	20.00	
7/25/95	9653	89571	SAN JUAN 29-6 #61A	FOUTZ	432	10.00	10.00	9
7/25/95	9654	89571	SAN JUAN 29-6 #61A	FOUTZ	132	20.00	10.00	9
7/25/95	9655	89571	SAN JUAN 29-6 #61A	FOUTZ	131	20.00	10.00	9
7/25/95	9656	89571	SAN JUAN 29-6 #61A	FOUTZ	835	<u>20.00</u>	<u>10.00</u>	9
						70.00	110.00	
7/26/95	9658	89571	SAN JUAN 29-6 #61A	FOUTZ	131	20.00	30.00	9
7/26/95	9659	89571	SAN JUAN 29-6 #61A	FOUTZ	835	20.00	30.00	9

EL PASO NG PIT PROJECT JULY 1995

7/26/95	9660	89571	SAN JUAN 29-6 #61A	FOUTZ	933	20.00	30.00	9
7/26/95	9661	89571	SAN JUAN 29-6 #61A	FOUTZ	409	10.00	20.00	9
7/26/95	9662	89573	SAN JUAN 29-6 #73A	FOUTZ	409	0.00	10.00	
7/26/95	9663	89573	SAN JUAN 29-6 #73A	FOUTZ	835	0.00	10.00	
7/26/95	9664	89573	SAN JUAN 29-6 #73A	FOUTZ	131	0.00	10.00	
						70.00	140.00	
7/27/95	9665	89577	SAN JUAN 29-6 #58A	FOUTZ	835	30.00	40.00	9
7/27/95	9666	89577	SAN JUAN 29-6 #58A	FOUTZ	131	30.00	30.00	9
7/27/95	9667	89577	SAN JUAN 29-6 #58A	FOUTZ	831	30.00	40.00	9
7/27/95	9668	89577	SAN JUAN 29-6 #58A	FOUTZ	933	30.00	30.00	9
7/27/95	9669	89577	SAN JUAN 29-6 #58A	FOUTZ	72	30.00	30.00	9
7/27/95	9670	89577	SAN JUAN 29-6 #58A	FOUTZ	531	15.00	15.00	9
						165.00	185.00	
7/28/95	9672	89572	SAN JUAN 29-6 #65A	FOUTZ	933	10.00	10.00	9
7/28/95	9673	89572	SAN JUAN 29-6 #65A	FOUTZ	132	30.00	30.00	9
7/28/95	9674	89572	SAN JUAN 29-6 #65A	FOUTZ	831	30.00	30.00	9
7/28/95	9675	89572	SAN JUAN 29-6 #65A	FOUTZ	835	30.00	30.00	9
7/28/95	9676	89572	SAN JUAN 29-6 #65A	FOUTZ	432	30.00	30.00	9
7/28/95	9677	89572	SAN JUAN 29-6 #65A	FOUTZ	131	30.00	30.00	9
7/28/95	9678	89572	SAN JUAN 29-6 #65A	FOUTZ	72	10.00	10.00	9
7/28/95	9679	89572	SAN JUAN 29-6 #65A	FOUTZ	934	10.00	10.00	9
						180.00	180.00	
7/31/95	9681	NA005	LAT A-30 LINE DRIP	FOUTZ	131	10.00	10.00	9
7/31/95	9682	NA005	LAT A-30 LINE DRIP	FOUTZ	432	10.00	10.00	9
7/31/95	9683	89572	SAN JUAN 29-6 #65A	FOUTZ	132	0.00	10.00	
7/31/95	9684	89572	SAN JUAN 29-6 #65A	FOUTZ	933	0.00	10.00	
7/31/95	9685	71095	HUERFANITO #10	FOUTZ	933	0.00	10.00	
7/31/95	9686	87148	TRIBAL 390 #2	FOUTZ	432	0.00	10.00	
						20.00	60.00	
TOTALS:						835.00	1,135.00	

Tierra

REVISED

8/25/85

CLOSED	METER	METER2	LOCATION	S T R L
7/6/85	80008	x	Hughes B #2A	19-29-8-O
7/7/85	73979		Mae Gall Com #1	24-29-11-E
7/10/85	80978		Hanley B #1	18-29-10-
7/18/85	73003		Ona McGee #1	4-30-11-P
7/26/85	89571		San Juan 29-6 #81A	19-29-8-C
7/27/85	80677		San Juan 29-6 #68A	28-29-8-D
7/28/85	89572		San Juan 29-6 #65A	19-29-8-J
7/31/85	N/A		Lat A-30 Line Drip	3-29-8-K



REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional) DENNY FOUST	4. Generator Gas Company of New Mexico	
2. Destination Tierra Environmental Corp. Crouch Mesa Landfarm	5. Name of Originating Site Satainia #2	
3. Address of Facility Operator 907 West Apache, Farmington, New Mexico 87401	6. Name of Transporter Diamond D Const.	
7. Location of Material (Street Address or ULSTR) 420 Cr. 3100 Aztec, NM Cell 10	8. State New Mexico	
3. 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>August 3, 1995</u>		

## BRIEF DESCRIPTION OF THE MATERIAL:

Dehydrator spillage

RECEIVED  
AUG - 7 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 20 to 30 yd<sup>3</sup> Known Volume (to be entered by the operator at end of haul): 70 yd<sup>3</sup>  
I hereby certify that the information above is true and complete to the best of my knowledge and belief.SIGNATURE Phillip C. Nobis TITLE PRESIDENT DATE 8/04/95  
TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. (505) 325-0924

(is space for State Use)

APPROVED BY Denny L. Foust TITLE Geologist DATE 8/7/95  
APPROVED BY Eric Busch TITLE ✓ DATE ✓

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.)

SATEENA #2 SECTION 21  
Fee TOWNSHIP 29N  
SOUTHLAND ROYALTY-RANGE 11W

This material originated:

☒ In The State of New Mexico

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

Source: DENVER LEASOR VENT LINE

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 DENVER BEARDEN

Title Administrator III

Address 603 W Elm FARMINGTON N. MEX 87401

Date 8-3-95

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)		4. Name of Transporter Foutz
2. Destination Tierra Crouch Mesa Landfarm		5. Generator VIM Trailer
3. Address of Facility Operator 907 West Apache, Farmington, N.M. 87401		6. Name of Originating Site Vim Trailer Oil Water Sep.
7. Originating Location of Material (Street Address or ULSTN) 5720 U.S. Highway 64, Farmington, San Juan County, N.M.		8. State New Mexico

9. Check One
- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with hydrocarbons from spill at oil water separator.

VIM Trailer is an oilfield related business that repairs oilfield transport vehicles.

**RECEIVED**  
 JUN 30 1995  
 OIL CON. DIV.  
 DIST. 3

**RECEIVED**  
 JUL 21 1995  
 OIL CON. DIV.  
 DIST. 3

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

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

SIGNATURE Phillip C. Nobis TITLE CEO DATE 6/26/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny G. Feint TITLE Geologist DATE 6/30/95

APPROVED BY Roger C. Chandler TITLE Envir Bureau Chief DATE 7/13/95

CONDITIONS OF APPROVAL, IF ANY: Tierras permit to accept liquids expired

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Foutz	
2. Destination Tierra Crouch Mesa Landfarm	5. Generator VIM Trailer	
3. Address of Facility Operator 907 West Apache, Farmington, N.M. 87401	6. Name of Originating Site Vim Trailer Oil Water Sep.	
7. Originating Location of Material (Street Address or ULSTR) 5720 U.S. Highway 64, Farmington, San Juan County, N.M.	8. State New Mexico	

9. Check One

- ☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; on 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 Environment Department 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:

BRIEF DESCRIPTION OF THE MATERIAL:

Soil contaminated with hydrocarbons from spill at oil water separator.

VIM Trailer is an oilfield related business that repairs oilfield transport vehicles.

RECEIVED  
JUN 30 1995  
OIL CON. DIV.  
DIST. 3

Estimated Volume 20 yd<sup>3</sup> Known Volume (to be entered by the operator at the end of the 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 Phillip C. Nobis TITLE CEO DATE 6/26/95

TYPE OR PRINT NAME Phillip C. Nobis TELEPHONE NO. 325-0924

(This space for State Use)

APPROVED BY Denny Z. Foutz TITLE Geologist DATE 6/30/95

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

CONDITIONS OF APPROVAL, IF ANY:



# TIERRA ENVIRONMENTAL CORPORATION

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

## CERTIFICATE OF WASTE STATUS NON-EXEMPT RCRA WASTE

### Originating

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

VIM Trailer, Inc. 5720 U.S. 64 Farmington, N.M.

Source: Steam rack fr. Crude tanks - oil/water separator

I DAVID WAGONER representative  
for VIM Trailer Inc.

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

The appropriate documentation is hereto attached.

Check appropriate line(s)

- ☐ MSDS Information  
☒ RCRA TCLP Analysis  
☒ RCRA Metals  
☒ Corrosivity, Ignitability, Reactivity  
☐ Letter from Out of State Regulatory Agency  
☐ I further certify that there has been no change in the process employed or chemicals stored / used at the facility generating the waste since                     .

Signature David Wagoner

Title General Manager

Date 6-27-95

Post-It™ brand fax transmittal memo 7871

# of pages >

To <u>DAVE</u>	From <u>Ph. I</u>
Co. <u>VIM</u>	Co. <u>TIERRA</u>
Dept. <u></u>	Phone # <u></u>
Fax # <u>327-6465</u>	Fax # <u>325-1920</u>



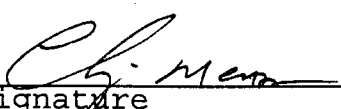
## CORE LABORATORIES

CORE LABORATORIES  
ANALYTICAL REPORT

Job Number: 951418  
Prepared For:

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

Date: 06/05/95

  
Signature

6/8/95  
Date:

Name: Chip Meador

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

Title: Regional Manager



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 06/05/95

JOB NUMBER: 951418

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX\*\*\*\*\*

CLIENT I.D.: 2-1000  
DATE SAMPLED: 05/16/95  
TIME SAMPLED: 08:00  
WORK DESCRIPTION: 6386-3040

LABORATORY I.D.: 951418-0001  
DATE RECEIVED: 05/17/95  
TIME RECEIVED: 12:15  
REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/**DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
<b>TCLP Semivolatiles</b>		<b>*1</b>		<b>EPA SW-846 8270</b>	<b>05/26/95</b>	<b>GEF</b>
1,4-Dichlorobenzene	<10	10	ug/L	EPA SW-846 8270		
2,4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobenzene	<10	10	ug/L	EPA SW-846 8270		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270		
Hexachloroethane	<10	10	ug/L	EPA SW-846 8270		
Nitrobenzene	<10	10	ug/L	EPA SW-846 8270		
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270		
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
2,4,6-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270		
Pyridine	<10	10	ug/L	EPA SW-846 8270		
p,m-Cresol	<10	10	ug/L	EPA SW-846 8270		
o-Cresol	<10	10	ug/L	EPA SW-846 8270		
<b>TCLP Volatiles</b>		<b>*10</b>		<b>EPA SW-846 8260</b>	<b>05/31/95</b>	<b>QP</b>
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		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3580	05/24/95	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	05/22/95	DGP
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	05/22/95	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Barium (Ba), extractable TCLP	0.75	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP

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



# CORE LABORATORIES

## LABORATORY TESTS RESULTS 06/05/95

JOB NUMBER: 951418

CUSTOMER: ONSITE TECHNOLOGIES LIMITED

ATTN: DAVE COX\*\*\*\*\*

CLIENT I.D.: 2-1000  
DATE SAMPLED: 05/16/95  
TIME SAMPLED: 08:00  
WORK DESCRIPTION: 6386-3040

LABORATORY I.D.: 951418-0001  
DATE RECEIVED: 05/17/95  
TIME RECEIVED: 12:15  
REMARKS:

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010	05/23/95	JJP
Flammability Potential	Neg.		+ or -	ASTM D4982-89	05/18/95	JJP
pH, solid/waste	7.9	0.1	pH units	30 TAC 335.505 (3)	05/18/95	DJ
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	05/26/95	JJP
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010	05/23/95	EBS
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	05/22/95	DGP

1733 NORTH PADRE ISLAND DRIVE  
CORPUS CHRISTI, TX 78408  
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## 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.

### SUBCONTRACTED 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\*

MB = Method Blank  
RB = Reagent Blank  
SB = Storage Blank  
ICB = Initial Calib. Blank  
CCB = Continuing Calib. Blank

#### REFERENCE STANDARDS

RS = Reference Standard  
CC = Continuing Calib.  
LCS = Laboratory Control Std.  
ICV = Initial Calib. Verification  
CCV = Cont. Calib. Verification

#### SPIKES AND DUPLICATES

MS = Matrix Spike, BS = Blank Spike  
SS = Surrogate Spike, MD = Matrix Dup.  
PDS = Post Digested Spike  
MSD = Matrix Spike Duplicate  
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.

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## CHAIN OF CUSTODY RECORD